



**Academic Appointments (con't)**

Professor (secondary appointment)	Biomedical Engineering, School of Engineering, Vanderbilt University	Dec 2023 – present
Faculty	Chemical and Physical Biology Program Vanderbilt University Medical Center	Apr 2023 – present
Professor (secondary appointment)	Department of Radiology Vanderbilt University Medical Center	Mar 2023 – present
Barry and Amy Baker Chair in Laryngeal, Head and Neck Research	Department of Otolaryngology–Head and Neck Surgery Vanderbilt University Medical Center	Jan 2023 – present
Professor (secondary appointment)	Department of Pathology, Microbiology and Immunology Vanderbilt University Medical Center	Apr 2022 – present
Faculty	Program in Cancer Biology Vanderbilt University Medical Center	Jan 2022 – present
Chair	Department of Otolaryngology–Head and Neck Surgery Vanderbilt University Medical Center	Oct 2021 – present
Carol and John S. Odess Chair in Facial Plastic and Reconstructive Surgery	Department of Otolaryngology–Head and Neck Surgery Vanderbilt University Medical Center	Oct 2021 – Jan 2023
Professor	Department of Otolaryngology–Head and Neck Surgery Vanderbilt University Medical Center	Oct 2021 – present
Professor of Radiology (courtesy)	Department of Radiology Stanford University School of Medicine	Jul 2016 – Sep 2021
Ann and John Doerr Medical Director	Stanford Cancer Center Stanford Health Care	Jul 2015 – Sep 2021
Associate Director of Clinical Care	Stanford Cancer Institute Stanford University School of Medicine	Jul 2015 – Sep 2021
Professor of Otolaryngology	Department of Otolaryngology-HNS Stanford University School of Medicine	Jul 2015 – Sep 2021
Division Director John S. Odess Professor of Surgery	Division of Otolaryngology-HNS University of Alabama at Birmingham	Jul 2012 – Jun 2015
Residency Program Director	Division of Otolaryngology-HNS University of Alabama at Birmingham	Jan 2011 – Jun 2013
Julius N. Hicks Professor of Surgery	Division of Otolaryngology-HNS University of Alabama at Birmingham	2011 – 2012

**Academic Appointments (con't)**

Julius N. Hicks Associate Professor of Surgery	Department of Radiology University of Alabama at Birmingham	2006 – 2010
Assistant Professor of Surgery	Division of Otolaryngology-HNS University of Alabama at Birmingham	2001 – 2005

**Hospital Appointments**

Vanderbilt Wilson County Hospital	2023 – present
Vanderbilt University Medical Center	2021 – present
VA Nashville (Without Compensation)	2021 – 2023
Stanford Medicine	2015 – 2021
UAB Hospital	2001 – 2015

**Executive Leadership (con't)**

Chair	Department of Otolaryngology–Head and Neck Surgery Vanderbilt University Medical Center	Oct 2021 – present
	Responsible for quality and multidisciplinary care of the Department of Otolaryngology–Head and Neck Surgery; allocate staff, space and equipment to support providers; develop a network strategy for Otolaryngology for Vanderbilt’s catchment area.	
Ann and John Doerr Medical Director	Stanford Cancer Center Stanford Health Care	Jul 2015 – Sep 2021
	Responsible for quality and multidisciplinary care across the Stanford Cancer Center; allocate staff, space and equipment to support physicians; manage infusion services across multiple facilities; develop a network strategy for cancer for the Bay Area.	
Division Director	Division of Otolaryngology-HNS University of Alabama at Birmingham	Jul 2012 – Jun 2015
	Managed 6-million-dollar budget, contributed 15% annually to reserves. Responsible for transition of Division of Otolaryngology to Departmental status.	

**Professional Organizations**

American Academy of Otolaryngology–Head and Neck Surgery	
Member	1994 – present
First Place Award in Basic Science Category	1998
Honor Award	2006
Honor Award	2010
Chair, Program Advisory Committee	2011 – 2016

**Professional Organizations (con't)**

Distinguished Service Award	2018
American Board of Otolaryngology – Head and Neck Surgery Board-certified (16697) Examiner, Board Examination	May 7, 2001 2013 – present
American College of Surgeons Fellow	2003 – present
American Head and Neck Society Member Prevention and Early Detection Committee Chair, Head and Neck Reconstructive Committee Poster Chair, 2012 AHNS International Meeting Proffered Paper Chair, 2016 AHNS International Meeting Program Chair, 2020 AHNS International Meeting Conference Chair, 2023 AHNS International Meeting Physician Champion Award	2001 – present 2010 – 2013 2012 – 2015 2010 – 2012 2014 – 2016 2018 – 2020 2021 – 2023 2023
CORLAS (Collegium Oto-Rhino-Laryngologicum Amicitiae Sacrum) Member	2016 – present
Federal Drug Administration (FDA) Member, Drug Safety and Risk Management Advisory Committee Member, Medical Imaging Drugs Advisory Committee, Division of Imaging and Radiation Medicine	Jan 2022 – present Jan 2022 – present
Society of University Surgeons Member	2010 – present
Triological Society Member Resident Travel Grant Award Honorable Mention Triological Thesis	2006 – present 2000 2006
World Molecular Imaging Society Member	2010 – present

**Professional Activities:****Professional Activities: Leadership Roles on Councils and Committees**

Prevention and Early Detection Committee, American Head and Neck Society.	2010 – 2013
Member, National Institutes of Health, Developmental Therapeutics Study Section, Center for Scientific Review.	2010 – present
Chair, Program Advisory Committee, American Academy of Otolaryngology–Head and Neck Surgery.	2011 – 2016
Poster Chair, American Head and Neck Society International Meeting.	2012

**Professional Activities: Leadership Roles on Councils and Committees (con't)**

Chair, Head and Neck Reconstructive Committee, American Head and Neck Society.	2012 – 2015
Examiner, American Board of Otolaryngology – Head and Neck Surgery.	2013 – present
Proffered Paper Chair, American Head and Neck Society International Meeting.	2016
Program Chair, American Head and Neck Society International Meeting.	2020
NoAAC Investigator, North American Airway Collaborative.	2022 – present
Course Director, Vanderbilt Department of Otolaryngology–Head and Neck Surgery’s 43rd Sisson-Ossoff Symposium, Vail, CO.	Annually in February, 2022 – present

**Professional Activities: Editorial Board Memberships (con't)**

Associate Editor, <i>Head &amp; Neck</i> .	2007 – Present
Editorial Board Member, <i>The Laryngoscope</i> .	2007 – Present
Editorial Board Member, <i>World Journal of Clinical Oncology</i> .	2015 – Present
Editorial Board Member, <i>Laryngoscope Investigative Otolaryngology</i> .	2015 – Present
Reviewer, <i>American Journal of Surgery</i> , <i>Archives of Otolaryngology</i> , <i>BMC Cancer</i> , <i>Cancer Research</i> , <i>Cancer</i> , <i>Clinical Cancer Research</i> , <i>Experimental Cell Research</i> , <i>Head &amp; Neck</i> , <i>International Journal of Cancer</i> , <i>Laryngoscope</i> , <i>Molecular Cancer Research</i> , <i>Molecular Carcinogenesis</i> , <i>Molecular Imaging and Biology</i> , <i>Nature Biomedical Engineering</i> , <i>Nature Communications</i> , <i>New England Journal of Medicine</i> , and <i>Otolaryngology–Head and Neck Surgery</i> .	

**Professional Activities: Grant Application Review Committees**

NIH/CSR Developmental Therapeutics (DT) Study Section Member	2010 – 2016
American Cancer Society (ACS) Grant Review Panel	2019
NIH/NIBIB Special emphasis panel (ZRG1 SBIB-L 550)	2019
Subcommittee for Precision Oncology, BLCS Merit Review, VA-ORD	Summer 2023
Review Committee, VICC P3 Catalyst Award, Vanderbilt-Ingram Cancer Center	30 Nov 2023

**Professional Activities: University Activities**

Associate Program Director, UAB Division of Otolaryngology-Head and Neck Surgery, University of Alabama at Birmingham (UAB), Birmingham, AL.	2003 – 2012
UAB Divisional Institutional Review Board Reviewer, University of Alabama at Birmingham (UAB), Birmingham, AL.	2003 – 2015

**Professional Activities: University Activities (con't)**

Chair, Research Committee, UAB Division of Otolaryngology-Head and Neck Surgery, University of Alabama at Birmingham (UAB), Birmingham, AL.	2004 – 2015
Reviewer for UAB Comprehensive Cancer Center Internal Grant Submissions, University of Alabama at Birmingham (UAB), Birmingham, AL.	2004 – 2015
Chair, UAB Robotic Surgery Committee, University of Alabama at Birmingham (UAB), Birmingham, AL.	2007 – 2010
Director, Surgical Anatomy UAB School of Medicine, University of Alabama at Birmingham (UAB), Birmingham, AL.	2007 – 2015
UAB Health Services Perioperative Services Management Group, University of Alabama at Birmingham (UAB), Birmingham, AL.	2008 – 2015
Director, UAB Department of Surgery Institutional Review Board Reviewer, University of Alabama at Birmingham (UAB), Birmingham, AL.	2009 – 2015
UAB School of Medicine Clinical Advisory Group, University of Alabama at Birmingham (UAB), Birmingham, AL.	2010 – 2015
Chair, UAB Operating Room Management Committee, University of Alabama at Birmingham (UAB), Birmingham, AL.	2011 – 2015
Director, UAB Department of Surgery Research Office, University of Alabama at Birmingham (UAB), Birmingham, AL.	2011 – 2015
SOM/SHC Council of Clinical Chairs, Stanford University, Stanford, CA.	2015 – 2021
SOM Executive Committee, Stanford University, Stanford, CA.	2015 – 2021
Chair, Medical Directors Cabinet Cancer Center, Stanford University, Stanford, CA.	2015 – 2021
SOM, Stanford Cancer Institute, Leadership Committee, Stanford University, Stanford, CA.	2015 – 2021
Co-Chair, Cancer Center Faculty Meeting, Stanford University, Stanford, CA.	2015 – 2021
SHC Access Committee, Stanford University, Stanford, CA.	2018 – 2021
SOM Integrated Space Committee, Stanford University, Stanford, CA.	2018 – 2021
Medical Center Medical Board, Vanderbilt University School of Medicine, Nashville, TN.	2021 – present
Executive Committee of the Executive Faculty, Vanderbilt Medical Group, Nashville, TN.	2021 – present
Clinical Enterprise Group, Vanderbilt University School of Medicine, Nashville, TN.	2021 – present
Member, Advisory Board, Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN.	2021 – present
Member, VICC Executive Committee, Vanderbilt-Ingram Cancer Center, Vanderbilt University Medical Center, Nashville, TN.	2021 – present

**Professional Activities: University Activities (con't)**

Affiliated Member, Vanderbilt University Institute of Imaging Science, Vanderbilt University Medical Center, Nashville, TN.	2021 – present
Member, Chair of Ophthalmology Search Committee, Vanderbilt University Medical Center, Nashville, TN.	2022 – 2023
Member, Panel, The Leader's Role, Academic Leadership Program, Vanderbilt University School of Medicine, Nashville, TN.	6 Oct 2022
Faculty, Program in Cancer Biology, Vanderbilt University Medical Center, Nashville, TN.	Jan 2022 – present
Vice Chair of Education, Department of Otolaryngology–Head and Neck Surgery, Vanderbilt University Medical Center, Nashville, TN.	Feb 2023 – present
Faculty, Chemical and Physical Biology Program, Vanderbilt University Medical Center, Nashville, TN.	Apr 2023 – present

**Professional Activities: Professional Awards & Honors**

The Merle Lawrence Research Award for Best Basic Science Research Paper	1998
First Place Award in Basic Science Category, AAO-HNS	1998
The John L. Kemink Research Award for Best Clinical Research Paper	1999
Best Research Paper, Walter P. Work Society	1999
Resident Travel Grant Award, Triological Society	2000
John W. Kirklin Research and Education Foundation Fellowship Award	2002
Outstanding Faculty Member Teaching Award – Otolaryngology	2005
Honorable Mention Triological Thesis – Triological Society	2006
Honor Award – American Academy of Otolaryngology–Head and Neck Surgery	2006
Best Doctors in America (annually)	2007 – present
Harry and Elsa Jiler Travel Award	2007
Argus Teaching Award – UAB School of Medicine	2008
Outstanding Faculty Member Teaching Award – Otolaryngology	2008
Honor Award – American Academy of Otolaryngology–Head and Neck Surgery	2010
Distinguished Service Award – American Academy of Otolaryngology–Head and Neck Surgery	2018
Stanford University Leadership Academy	2019
Best in Physics (Multi-disciplinary), AAPM 2022: 6 <sup>th</sup> Annual Meeting & Exhibition: Celebrating Medical Physics: Transforming Human Health, Washington, DC, July 10–14, 2022. For A Natarajan, S Khan, D Anders, N Malik, H Nguyen, O Oderinde, F Chin, <b>E Rosenthal</b> , G Pratz. "Feasibility of Biology-	2022



**Professional Activities: Professional Awards & Honors (con't)**

Guided Radiation Therapy Using a Long-Lived Antibody PET Tracer.” Abstract presented by Guillem Patx.

Honorary Speaker, “A Retrospective of UAB,” Kirby Bland Festschrift, University of Alabama at Birmingham, Birmingham, AL. 20 Feb 2023

Physician Champion Award, American Head and Neck Society’s 2023 International Conference, Welcoming Back the World: Striving for Innovation, Quality, Compassion, and Collegiality, Montreal, Canada. 8-12 Jul 2023

**Teaching Activities:****Teaching Activities: Mentorship: Graduate Students**

1. Hadiyah-Nicole Green, PhD, MS, *A Minimally-Invasive Multifunctional Nano-Enabled Approach for Selective Targeting, Imaging, and NIR Photothermal Therapy of Tumors* 2012
2. Esther de Boer, MD, PhD, BSC, *Antibody Based Surgical Imaging and Photodynamic Therapy for Cancer* 2016
3. Alice Weaver, MD, PhD, *Cell Signaling Pathways as Targets for Precision Medicine in Head and Neck Squamous Cell Carcinoma* 2016
4. Willemieke Tummers, MD, PhD, *Fluorescent Guided Surgery for Pancreatic Cancer* 2016
5. Stan van Keulen, MD, PhD, *Fluorescent Specimen Mapping to using the Sentinel Margin Technique for Intraoperative Identification of Positive Margins* 2018
6. Giri Krishnan, MD, PhD, *Surgical Imaging Using Minimally Invasive Techniques* 2019
7. Candace J. Grisham, MS, PhD Committee member 2023
8. Carly Fielder, MS 2023

**Teaching Activities: Mentorship: Postdoctoral Fellows**

1. Tarn Teraphongphom, PhD, Stanford University, Stanford, CA. 2015 – 2018
2. Zhen Qiu, PhD, Stanford University, Stanford, CA. 2016 – 2018
3. Guolan Lu, PhD, Stanford University, Stanford, CA. 2016 – present
4. Nynke van den Berg, PhD, Stanford University, Stanford, CA. 2017 – 2020
5. Naoki Nishio, MD, Stanford University, Stanford, CA. 2018 – 2020
6. Quan Zhou, PhD, Stanford University, Stanford, CA. 2018 – present



**Teaching Activities: Mentorship: Postdoctoral Fellows (con't)**

- |  |                |
|--|----------------|
| 7. Marisa Hom, PhD, Stanford University, Stanford, CA.                         | 2020 – 2021    |
| 8. Wenying Kang, PhD, Stanford University, Stanford, CA.                       | 2020 – present |
| 9. Laura Freeman, MD, Stanford University, Stanford, CA.                       | 2020 – present |
| 10. Abdullah Naveed, PhD, Vanderbilt University Medical Center, Nashville, TN. | 2022 – present |

**Teaching Activities: Mentorship: Junior Faculty (External)**

- |  |             |
|--|-------------|
| 1. Thinzar Helmi Lwin, MD, MS, City of Hope Comprehensive Cancer Center, Duarte, CA. | 2015 – 2018 |
|--|-------------|

**Teaching Activities: Mentorship: Faculty Mentorship Committees**

- |   |                |
|---|----------------|
| 1. Adam J. Rosenberg, PhD, Vanderbilt University Medical Center, Nashville, TN. | 2015 – 2018    |
| 2. Aaron C. Moberly, MD, Vanderbilt University Medical Center, Nashville, TN.   | 2022 – present |
| 3. Jennifer Choe, MD, PhD, Vanderbilt University Medical Center, Nashville, TN. | 2022 – present |
| 4. Adam J. Rosenberg, PhD, Vanderbilt University Medical Center, Nashville, TN. | 2022 – present |
| 5. Jason S. Park, MD, PhD, Vanderbilt University Medical Center, Nashville, TN. | 2024 – present |

**Teaching Activities: Mentorship: Awards (since 2010)**

- |   |      |
|---|------|
| 1. Joseph A. Knowles, MD: Best Resident Basic Science Paper Award<br>American Head and Neck Society<br><i>Targeted Contrast Enhanced Ultrasound Improves Detection of Head and Neck Squamous Cell Carcinoma in Vitro and in Vivo</i>  | 2011 |
| 2. Hadiyah-Nicole Green: Outstanding Research Poster Second Place<br>University of Illinois NanoBiophotonics Summer School<br><i>A Minimally Invasive Multifunctional Nanoscale System for Selective Targeting, Imaging, and NIR Photothermal Therapy of Malignant Tumors</i> | 2011 |
| 3. Benjamin D. Bush: Poster Presentation (Best Poster, Cancer Therapy, Group L)<br>UASOM Medical Student Research Day<br><i>Comparison of Surgical Approaches to Tumors of the Oropharynx</i>   | 2011 |

**Teaching Activities: Mentorship: Awards (since 2010) (con't)**

4. Terence M. Zimmermann: Poster Presentation (Best Poster, Cancer Therapy) 2011  
UASOM Medical Student Research Day  
*The Prognosis of Bone Invasion in Small Squamous Cell Carcinomas of the Oral Cavity*
5. John W. Frederick: Poster Presentation (1st Place Head and Neck Poster Award) 2012  
Triological Society Combined Sections Meeting  
*Anti-CD147 inhibits proliferation by down regulation of EGFR in cutaneous SCC*
6. Lauren Beck: Travel Award 2012  
World Molecular Imaging Congress 2012  
*Identification of optimal therapeutic antibody for fluorescent imaging of cutaneous SCC*
7. Nicholas Deep: Poster Presentation (1st Place Head and Neck Poster Award) 2012  
8th Annual International Conference on Head and Neck Cancer  
*Phase II Study of Erlotinib Plus Radiation Therapy in Patients with Advance Cutaneous Squamous Cell Carcinoma*
8. Larissa Sweeny, MD: 1st Place Lester A. Brown, M.D. Award 2013  
UAB Division of Otolaryngology – Head and Neck Surgery  
*The Conjugation of a Antibody with a Small Drug Molecule Significantly Inhibits HNSCC*
9. Lindsay S. Moore, MD: Poster Presentation (1st Place Poster Award in the Head and Neck Category) 2016  
Triological Society 2016 Combined Sections Meeting  
*Fluorescence-Guided Surgery: Determining the Threshold for Cancer Detection Using Near-Infrared Optical Imaging in a Head and Neck Model*
10. Linday S. Moore, MD: UAB Post Doc Career Enhancement Award 2016
11. Andrew Prince, MD: AOA Student Research Award 2016  
*Dose and Time Ranging of Anti-Angiogenic Agents for Enhanced Antibody-based Therapy in an Animal Model of Head and Neck Cancer*
12. Sarah E. Miller: Poster Presentation (Stanford Medicine Alumni Association Award) 2017  
34th Annual Medical Student Research Symposium  
*Phase I Clinical Trial for Intraoperative Imaging of Glioma Patients*
13. Nutte Teraphongphom, PhD: World Molecular Imaging Congress 2017 Student Travel Stipend 2017  
*Study on dose escalation of Panitumumab-IRDye800 as an optical agent to enable image guided surgery in patients with head and neck cancer*
14. Guolan Lu, PhD: Stanford Molecular Imaging Scholars (SMIS) Program Fellowship (T32) 2017

**Teaching Activities: Mentorship: Awards (since 2010) (con't)**

- Stanford University, 2018-2021
15. Guolan Lu, PhD: Student Travel Award 2017  
World Molecular Imaging Congress (WMIC)  
*Molecular Imaging to Assess the Drug Delivery in Pancreatic Cancers*,  
Oral presentation.
  16. Lindsay S. Moore, MD: Alavi-Mandell Award 2018  
Society of Nuclear Medicine and Molecular Imaging  
*Characterizing the utilities and limitations of repurposing an open-field  
optical imaging device for fluorescence-guided surgery in head and  
neck cancer patients*
  17. Nynke van den Berg, PhD: Best Clinical Poster 2018  
Stanford's Annual Otolaryngology- Head and Neck Research Day  
*Intraoperative identification of metastatic lymph nodes in patients  
with head and neck cancer using panitumumab-IRDye800*
  18. Nynke van den Berg, PhD: Poster Presentation–Best Poster prize 2018  
Annual AHNS meeting 2018- National Harbor, MD, US.  
*Intraoperative identification of metastatic lymph nodes in patients  
with head and neck cancer using panitumumab-IRDye800, a  
fluorescently labeled anti-EGFR*
  19. Guolan Lu, PhD: Industry Selected Poster Award 2018  
World Molecular Imaging Congress (WMIC)  
*Quantifying Antibody Distribution in a First-In-Human Clinical Trial of  
Head and Neck Cancers*
  20. Stan van Keulen, MD: Best Oral Presentation, Young Investigator 2019  
Award  
Head and Neck Cancer, Amsterdam, The Netherlands  
*Clinical Application of Fluorescence Guided Surgery in Head and Neck  
Cancer*
  21. Guolan Lu, PhD: Young Investigator Award Semi-Finalist Nomination 2019  
World Molecular Imaging  
*Image-Guided Surgery Using Panitumumab-IRDye800CW for  
Pancreatic Cancer*
  22. Stan van Keulen, MD: Alavi-Mandell Award 2020  
Society of Nuclear Medicine and Molecular Imaging  
*The Clinical Application of Fluorescence-Guided Surgery in Head and  
Neck Cancer*
  23. Naoki Nishio, MD, PhD: Under 40 Session: Excellent Presentation 2020  
Award  
The 44th Annual Meeting of Japan Society for Head and Neck Cancer  
*Sentinel margins in fluorescence-guided surgery for head and neck  
cancer*
  24. Maj. Steven S. Hong, MD: Association of Military Surgeons of the 2020  
United States Individual Professional Physician Award

**Teaching Activities: Mentorship: Awards (since 2010) (con't)**

2020 Virtual AMSUS Annual Meeting

25. Giri Krishnan, MD: 2021 Robert Guerin Research Prize 2021  
 Garnett Passe and Rodney William's Memorial Foundation and the  
 Australian Society of Otolaryngology Head and Neck Surgery  
*Metastatic lymph node mapping with IV Panitumumab-IRDye800CW*

**Research, Grants & Awards:****Research, Grants & Awards: Past Grant Support**

1. *Role of Fibroblast-Derived MT1-MMP in Oral Cancer* 04/01/2005 –  
03/31/2007  
 Project Number: R03DE016049  
 PD/PI: Rosenthal, Eben  
 Source of Support: National Institute of Dental and Craniofacial Research (NIDCR)
2. *In Vivo Assessment of Immunofluorescent Guided Surgery* 2006 – 2009  
 Project Number: RSG-06-106-01-CCE  
 PD/PI: Rosenthal, Eben  
 Source of Support: American Cancer Society (Research Scholar Award)
3. *Tumor Stromal Interactions in Head and Neck Cancer* 09/30/2009 –  
09/29/2012  
 Project Number: K08CA102154  
 PD/PI: Rosenthal, Eben  
 Source of Support: NIH/National Cancer Institute (NCI)
4. *Fluorescently Labeled Anti-EGFR to Guide Removal of Lymph Node Metastasis* 09/01/2009 –  
08/31/2012  
 Project Number: R21DE019232  
 PD/PI: Rosenthal, Eben  
 Source of Support: National Institute of Dental and Craniofacial Research (NIDCR)
5. *Erlotinib in Patients with Non-Curable Squamous Cell Carcinoma of the Head and Neck* 2007 – 2013  
 Investigator-initiated, industry-sponsored clinical trial  
 PD/PI: Rosenthal, Eben  
 Source of Support: Genmab
6. *A Phase II Clinical Trial of Erlotinib and Radiotherapy in Patients with Stage III Cutaneous Squamous Cell Carcinomas* 2007 – 2013  
 Investigator-initiated, industry-sponsored clinical trial  
 PD/PI: Rosenthal, Eben  
 Source of Support: Genetech, Inc.
7. *A Randomized Controlled Trial of Pioglitazone For Oral Premalignant Lesions: An Interconsortium Collaborative Study* 2011 – 2013  
 University of Wisconsin in Madison  
 Principal Investigator (2 years, \$48,367)

**Research, Grants & Awards: Past Grant Support (con't)**

- |  |                            |
|--|----------------------------|
| 8. <i>8th Annual Conference on Head and Neck Cancer</i><br>Project Number: R13DE022722<br>PD/PI: Rosenthal, Eben<br>Source of Support: National Institute of Dental and Craniofacial Research (NIDCR)<br>Total Award Amount (including Indirect Costs): \$15,000   | 03/01/2012 –<br>02/28/2013 |
| 9. <i>Optical Imaging of Primary and Regional Melanoma to Guide Surgical Resection</i><br>Project Number: R21 CA179171<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)   | 07/10/2013 –<br>06/30/2016 |
| 10. <i>Imaging Guided Surgery using Fluorescently Labeled Cetuximab</i><br>Project Number: R21CA182953<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)   | 07/01/2014 –<br>06/30/2016 |
| 11. <i>CD147 as a Novel Target in Head and Neck Cancer</i><br>Project Number: R01CA142637<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)  | 04/01/2010 –<br>02/29/2016 |
| 12. <i>A Phase I, Open-label Study Evaluating the Safety of Escalating Doses of Ad/PNP-F-araAMP (Ad/PNP Administered Intratumorally with Co-administration of Fludarabine Phosphate Intravenously in Subjects with Advanced Solid Tumors)</i><br>PNP Therapy Trial | 2011 – 2016                |
| 13. <i>Phase I, Open-Label Study Evaluating the Safety and Pharmacokinetics of Escalating Doses of Cetuximab-IRDye800 as an Imaging agent to Detect Cancer</i><br>Novadaq Technologies, Inc.   | 2013 – 2016                |
| 14. <i>Upconverting Nanoparticles as Contrast aged for Image-Guided Surgery</i><br>NCI CCNE-TD U54 (Rosenthal, PI)<br>NIH/NCI  | 2016 – 2017                |
| 15. <i>Intra-operative Optical Imaging to Guide Surgical Resection of Cancer</i><br>NExT 217260 (Rosenthal, PI)  | 2010 – 2018                |
| 16. <i>Upconverting Nanoparticles as Contrast aged for Image-Guided Surgery</i><br>Standard Proposal #4373 (Rosenthal, PI)<br>Molecular Foundry, Livermore Laboratories  | 2016 – 2018                |
| 17. <i>Prototype optical device for image guided surgery with panitumumab-IRDye800</i><br>Project Number: R01CA190306<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)  | 09/10/2015 –<br>08/31/2020 |
| 18. <i>A millimeter resolution clinical PET system dedicated to head and neck cancer imaging</i>   | 2019 – 2021                |

**Research, Grants & Awards: Past Grant Support (con't)**

Coulter Endowment Program-University Research  
Co-Investigator

- |   |                            |
|---|----------------------------|
| 19. <i>Reduction of Tumor-Positive Margins in Oncology Surgery</i><br>Project Number: VUMC95146 - (R37CA245157)<br>PD/PI: Rosenthal, Eben (Warram, UAB)<br>Source of Support: NIH/National Cancer Institute (NCI)   | 10/11/2021 –<br>4/30/2022  |
| 20. <i>Next Generation Sentinel Node Mapping</i><br>Project Number: R01CA238686<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)   | 12/15/2019 –<br>5/31/2022  |
| 21. <i>Minimally Invasive Nodal Staging in Head and Neck Cancer</i><br>Project Number: MBG-21-024-01 – MBG<br>PD/PI: Rosenthal, Eben<br>Source of Support: American Cancer Society<br>Total Award Amount: \$240,000 | 10/11/2021 –<br>06/30/2023 |

**Research, Grants & Awards: Active Grant Support**

- |  |                            |
|--|----------------------------|
| 22. <i>Phase I - II Study of Ad/PNP(IND14271,1/19/10) for HNSCC (OrphanDrugDes,14-4438,6/8/15)</i><br>Project Number: R01FD005746<br>PD/PI: Sorscher, Eric<br>Other PI: Rosenthal, Eben<br>Source of Support: Food and Drug Administration (FDA)<br>Total Award Amount (including Indirect Costs): \$500,000 | 06/01/2018 –<br>05/31/2024 |
| 23. <i>Optical Imaging to Improve Surgery &amp; Targeted Therapy in Brain Tumors</i><br>Project Number: VUMC97918 / R01CA239257<br>PD/PI: Li, Gordon<br>Co-PI: Rosenthal, Eben<br>Source of Support: National Cancer Institute (NCI)<br>Total Award Amount (including Indirect Costs): \$615,738             | 09/02/2019 –<br>08/31/2024 |
| 24. <i>Reduction of Tumor-Positive Margins in Oncology Surgery</i><br>Project Number: VUMC95146 - (R37CA245157)<br>PD/PI: Rosenthal, Eben (Warram, UAB)<br>Source of Support: NIH/National Cancer Institute (NCI)<br>Total Award Amount (including Indirect Costs): \$544,424                                | 10/11/2021 –<br>4/30/2026  |
| 25. <i>Targeted Dual Modality Imaging for Detection and Removal of Head and Neck Cancer</i><br>Project Number: R01CA266233<br>PD/PI: Rosenthal, Eben<br>Source of Support: NIH/National Cancer Institute (NCI)<br>Total Award Amount (including Indirect Costs): \$2,168,853                                 | 08/01/2022 –<br>07/31/2027 |
| 26. <i>Fluorescence lifetime-based surgical specimen margin assessment during liver surgery</i>  | 07/01/2022 –<br>06/30/2027 |

**Research, Grants & Awards: Active Grant Support (con't)**

- Project Number: VUMC (R01)  
 PD/PI: Rosenthal, Eben  
 Source of Support: Massachusetts General Hospital/NIH  
 Total Award Amount: \$179,252
27. *Ultrasensitive Detection of Occult Pancreatic Cancer Using Intraoperative Molecular Fluorescent Imaging* 07/01/2022 – 06/30/2027  
 Project Number: VUMC (R01)  
 PD/PI: Rosenthal, Eben  
 Source of Support: Stanford University/NCI  
 Total Award Amount: \$322,211
28. *American Head and Neck International Conference* 07/01/2023 – 06/30/2024  
 Project Number: R13DE033285  
 PD/PI: Rosenthal, Eben  
 Source of Support: NIH/National Institute of Dental and Craniofacial Research (NIDCR)  
 Total Award Amount: \$8,000
29. *Secondary Molecular Imaging for Specificity (SMIS) for head and neck cancer* 12/1/2023 – 11/30/2028  
 Project Number: 1R01CA279249-01A1  
 PD/PI: Rosenthal, Eben  
 Source of Support: NIH/National Cancer Institute (NCI)  
 Total Award Amount: \$2,195,920
30. *Highly Sensitive Detection of Occult Pancreatic Cancer Using Intraoperative Molecular Imaging* 4/1/2023 – 3/31/2028  
 Project Number: VUMC  
 PD/PI: Rosenthal, Eben  
 Source of Support: Stanford University/National Cancer Institute (NCI)  
 Total Award Amount: \$288,980

**Publications and Presentations:****Publications and Presentations: Articles in refereed journals**

1. **Rosenthal EL**, Johnson TM, Allen ED, Apel IJ, Punturieri A, Weiss SJ. Role of the plasminogen activator and matrix metalloproteinase systems in epidermal growth factor- and scatter factor-stimulated invasion of carcinoma cells. *Cancer Res.* 1998 Nov 15;58(22):5221-30. PMID: 9823336.
2. **Rosenthal E**, Quint DJ, Johns M, Peterson B, Hoeffner E. Diagnostic maxillofacial coronal images reformatted from helically acquired thin-section axial CT data. *AJR Am J Roentgenol.* 2000 Oct;175(4):1177-81. doi: 10.2214/ajr.175.4.1751177. PMID: 11000186.
3. Teknos TN, **Rosenthal EL**, Lee D, Taylor R, Marn CS. Positron emission tomography in the evaluation of stage III and IV head and neck cancer. *Head Neck.* 2001 Dec;23(12):1056-60. doi: 10.1002/hed.10006. PMID: 11774391.



**Publications and Presentations: Articles in refereed journals (con't)**

4. Wax MK, **Rosenthal EL**, Takaguchi R, Cohen JI, Andersen PE, Futran N. Pulmonary atelectasis after reconstruction with a rectus abdominis free tissue transfer. *Arch Otolaryngol Head Neck Surg*. 2002 Mar;128(3):249-52. doi: 10.1001/archotol.128.3.249. PMID: 11886338.
5. Wax MK, **Rosenthal EL**, Winslow CP, Bascom DA, Andersen PE. The ulnar fasciocutaneous free flap in head and neck reconstruction. *Laryngoscope*. 2002 Dec;112(12):2155-60. doi: 10.1097/00005537-200212000-00005. PMID: 12461332.
6. **Rosenthal EL**, Masdon JL, Buckman C, Hawn M. Duplicate publications in the otolaryngology literature. *Laryngoscope*. 2003 May;113(5):772-4. doi: 10.1097/00005537-200305000-00002. PMID: 12792309.
7. Carroll WR, Rosenstiel D, Fix JR, de la Torre J, Solomon JS, Brodish B, **Rosenthal EL**, Heinz T, Niwas S, Peters GE. Three-dose vs extended-course clindamycin prophylaxis for free-flap reconstruction of the head and neck. *Arch Otolaryngol Head Neck Surg*. 2003 Jul;129(7):771-4. doi: 10.1001/archotol.129.7.771. PMID: 12874080.
8. **Rosenthal EL**, Shreenivas S, Peters GE, Grizzle WE, Desmond R, Gladson CL. Expression of extracellular matrix metalloprotease inducer in laryngeal squamous cell carcinoma. *Laryngoscope*. 2003 Aug;113(8):1406-10. doi: 10.1097/00005537-200308000-00027. PMID: 12897567.
9. **Rosenthal EL**, Dixon SF. Free flap complications: when is enough, enough? *Curr Opin Otolaryngol Head Neck Surg*. 2003 Aug;11(4):236-9. doi: 10.1097/00020840-200308000-00003. PMID: 14515069.
10. Wax MK, Burkey BB, Bascom D, **Rosenthal EL**. The role of free tissue transfer in the reconstruction of massive neglected skin cancers of the head and neck. *Arch Facial Plast Surg*. 2003 Nov-Dec;5(6):479-82. doi: 10.1001/archfaci.5.6.479. PMID: 14623684.
11. Suarez-Cuervo C, Merrell MA, Watson L, Harris KW, **Rosenthal EL**, Väänänen HK, Selander KS. Breast cancer cells with inhibition of p38alpha have decreased MMP-9 activity and exhibit decreased bone metastasis in mice. *Clin Exp Metastasis*. 2004;21(6):525-33. doi: 10.1007/s10585-004-3503-x. PMID: 15679050.
12. **Rosenthal E**, McCrory A, Talbert M, Young G, Murphy-Ullrich J, Gladson C. Elevated expression of TGF-beta1 in head and neck cancer-associated fibroblasts. *Mol Carcinog*. 2004 Jun;40(2):116-21. doi: 10.1002/mc.20024. PMID: 15170816.
13. **Rosenthal EL**, McCrory A, Talbert M, Carroll W, Magnuson JS, Peters GE. Expression of proteolytic enzymes in head and neck cancer-associated fibroblasts. *Arch Otolaryngol Head Neck Surg*. 2004 Aug;130(8):943-7. doi: 10.1001/archotol.130.8.943. PMID: 15313864.
14. **Rosenthal E**, Carroll W, Dobbs M, Scott Magnuson J, Wax M, Peters G. Simplifying head and neck microvascular reconstruction. *Head Neck*. 2004 Nov;26(11):930-6. doi: 10.1002/hed.20076. PMID: 15508120.
15. **Rosenthal EL**, Zhang W, Talbert M, Raisch KP, Peters GE. Extracellular matrix metalloprotease inducer-expressing head and neck squamous cell carcinoma cells promote fibroblast-mediated type I collagen degradation in vitro. *Mol Cancer Res*. 2005 Apr;3(4):195-202. doi: 10.1158/1541-7786.MCR-04-0203. PMID: 15831673.

**Publications and Presentations: Articles in refereed journals (con't)**

16. Vidrine DM, Kaler S, **Rosenthal EL**. A comparison of negative-pressure dressings versus Bolster and splinting of the radial forearm donor site. *Otolaryngol Head Neck Surg*. 2005 Sep;133(3):403-6. doi: 10.1016/j.otohns.2005.04.028. PMID: 16143190.
17. Kim JH, **Rosenthal EL**, Ellis T, Wax MK. Radial forearm osteocutaneous free flap in maxillofacial and oromandibular reconstructions. *Laryngoscope*. 2005 Sep;115(9):1697-701. doi: 10.1097/01.mlg.0000174952.98927.9f. PMID: 16148720.
18. **Rosenthal EL**, Blackwell KE, McGrew B, Carroll WR, Peters GE. Use of negative pressure dressings in head and neck reconstruction. *Head Neck*. 2005 Nov;27(11):970-5. doi: 10.1002/hed.20265. PMID: 16127668.
19. Pezold JC, Zinn K, Talbert MA, Desmond R, **Rosenthal EL**. Validation of ultrasonography to evaluate murine orthotopic oral cavity tumors. *ORL J Otorhinolaryngol Relat Spec*. 2006;68(3):159-63. doi: 10.1159/000091324. Epub 2006 Feb 6. PMID: 16465070.
20. Zhang W, Matrisian LM, Holmbeck K, Vick CC, **Rosenthal EL**. Fibroblast-derived MT1-MMP promotes tumor progression in vitro and in vivo. *BMC Cancer*. 2006 Mar 6;6:52. doi: 10.1186/1471-2407-6-52. PMID: 16515711; PMCID: PMC1450297.
21. Eller RL, Livingston WJ 3rd, Morgan CE, Peters GE, Sillers MJ, Magnuson JS, **Rosenthal EL**. Expandable tracheal stenting for benign disease: worth the complications? *Ann Otol Rhinol Laryngol*. 2006 Apr;115(4):247-52. doi: 10.1177/000348940611500401. PMID: 16676820.
22. Karnell LH, Funk GF, Christensen AJ, **Rosenthal EL**, Magnuson JS. Persistent posttreatment depressive symptoms in patients with head and neck cancer. *Head Neck*. 2006 May;28(5):453-61. doi: 10.1002/hed.20370. PMID: 16320360.
23. Lindman JP, Talbert M, Zhang W, Powell B, Accortt NA, **Rosenthal EL**. Promotion of acellular dermal matrix resolution in vitro by matrix metalloproteinase-2. *Arch Facial Plast Surg*. 2006 May-Jun;8(3):208-12. doi: 10.1001/archfaci.8.3.208. PMID: 16702534.
24. Kulbersh BD, **Rosenthal EL**, McGrew BM, Duncan RD, McColloch NL, Carroll WR, Magnuson JS. Pretreatment, preoperative swallowing exercises may improve dysphagia quality of life. *Laryngoscope*. 2006 Jun;116(6):883-6. doi: 10.1097/01.mlg.0000217278.96901.fc. PMID: 16735913.
25. Shreenivas S, Magnuson JS, **Rosenthal EL**. Use of negative-pressure dressings to manage a difficult surgical neck wound. *Ear Nose Throat J*. 2006 Jun;85(6):390-1. PMID: 16866117.
26. Merrell MA, Ilvesaro JM, Lehtonen N, Sorsa T, Gehrs B, **Rosenthal E**, Chen D, Shackley B, Harris KW, Selander KS. Toll-like receptor 9 agonists promote cellular invasion by increasing matrix metalloproteinase activity. *Mol Cancer Res*. 2006 Jul;4(7):437-47. doi: 10.1158/1541-7786.MCR-06-0007. PMID: 16849519.
27. **Rosenthal EL**, Matrisian LM. Matrix metalloproteases in head and neck cancer. *Head Neck*. 2006 Jul;28(7):639-48. doi: 10.1002/hed.20365. PMID: 16470875; PMCID: PMC2873217.
28. **Rosenthal EL**, Vidrine DM, Zhang W. Extracellular matrix metalloprotease inducer stimulates fibroblast-mediated tumor growth in vivo. *Laryngoscope*. 2006 Jul;116(7):1086-92. doi: 10.1097/01.mlg.0000224368.58870.3c. PMID: 16826041.
29. **Rosenthal EL**, Kulbersh BD, Duncan RD, Zhang W, Magnuson JS, Carroll WR, Zinn K. In vivo detection of head and neck cancer orthotopic xenografts by immunofluorescence.

**Publications and Presentations: Articles in refereed journals (con't)**

- Laryngoscope*. 2006 Sep;116(9):1636-41. doi: 10.1097/01.mlg.0000232513.19873.da. PMID: 16954995.
30. Karnell LH, Christensen AJ, **Rosenthal EL**, Magnuson JS, Funk GF. Influence of social support on health-related quality of life outcomes in head and neck cancer. *Head Neck*. 2007 Feb;29(2):143-6. doi: 10.1002/hed.20501. PMID: 17111431.
  31. **Rosenthal EL**, Kulbersh BD, King T, Chaudhuri TR, Zinn KR. Use of fluorescent labeled anti-epidermal growth factor receptor antibody to image head and neck squamous cell carcinoma xenografts. *Mol Cancer Ther*. 2007 Apr;6(4):1230-8. doi: 10.1158/1535-7163.MCT-06-0741. PMID: 17431103.
  32. Withrow KP, **Rosenthal EL**, Gourin CG, Peters GE, Magnuson JS, Terris DJ, Carroll WW. Free tissue transfer to manage salvage laryngectomy defects after organ preservation failure. *Laryngoscope*. 2007 May;117(5):781-4. doi: 10.1097/MLG.0b013e3180332e39. PMID: 17473668.
  33. Kulbersh BD, Duncan RD, Magnuson JS, Skipper JB, Zinn K, **Rosenthal EL**. Sensitivity and specificity of fluorescent immunoguided neoplasm detection in head and neck cancer xenografts. *Arch Otolaryngol Head Neck Surg*. 2007 May;133(5):511-5. doi: 10.1001/archotol.133.5.511. PMID: 17520766.
  34. Gleysteen JP, Duncan RD, Magnuson JS, Skipper JB, Zinn K, **Rosenthal EL**. Fluorescently labeled cetuximab to evaluate head and neck cancer response to treatment. *Cancer Biol Ther*. 2007 Aug;6(8):1181-5. doi: 10.4161/cbt.6.8.4379. Epub 2007 May 3. PMID: 17637562.
  35. Zhu ZB, Mathis JM, Makhija SK, Lu B, Wang M, Ji S, Rivera AA, **Rosenthal EL**, Siegal GP, Curiel DT. Targeting of a conditionally replicative adenovirus agent to human squamous cell carcinomas of the head and neck. *Int J Oncol*. 2007 Nov;31(5):1213-22. PMID: 17912450.
  36. Withrow KP, Gleysteen JP, Safavy A, Skipper J, Desmond RA, Zinn K, **Rosenthal EL**. Assessment of indocyanine green-labeled cetuximab to detect xenografted head and neck cancer cell lines. *Otolaryngol Head Neck Surg*. 2007 Nov;137(5):729-34. doi: 10.1016/j.otohns.2007.06.736. PMID: 17967636.
  37. Wax MK, **Rosenthal E**. Etiology of late free flap failures occurring after hospital discharge. *Laryngoscope*. 2007 Nov;117(11):1961-3. doi: 10.1097/MLG.0b013e31812e017a. PMID: 17828052.
  38. Withrow KP, Newman JR, Skipper JB, Gleysteen JP, Magnuson JS, Zinn K, **Rosenthal EL**. Assessment of bevacizumab conjugated to Cy5.5 for detection of head and neck cancer xenografts. *Technol Cancer Res Treat*. 2008 Feb;7(1):61-6. doi: 10.1177/153303460800700108. PMID: 18198926.
  39. **Rosenthal EL**, King T, McGrew BM, Carroll W, Magnuson JS, Wax MK. Evolution of a paradigm for free tissue transfer reconstruction of lateral temporal bone defects. *Head Neck*. 2008 May;30(5):589-94. doi: 10.1002/hed.20744. PMID: 18213723.
  40. Gleysteen JP, Newman JR, Chhieng D, Frost A, Zinn KR, **Rosenthal EL**. Fluorescent labeled anti-EGFR antibody for identification of regional and distant metastasis in a preclinical xenograft model. *Head Neck*. 2008 Jun;30(6):782-9. doi: 10.1002/hed.20782. PMID: 18228526; PMCID: PMC4402971.

### Publications and Presentations: Articles in refereed journals (con't)

41. Asher SA, Peters GE, Pehler SF, Zinn K, Newman JR, **Rosenthal EL**. Fluorescent detection of rat parathyroid glands via 5-aminolevulinic acid. *Laryngoscope*. 2008 Jun;118(6):1014-8. doi: 10.1097/MLG.0b013e3181671b61. PMID: 18520821.
42. Newman JR, Gleysteen JP, Barañano CF, Bremser JR, Zhang W, Zinn KR, **Rosenthal EL**. Stereomicroscopic fluorescence imaging of head and neck cancer xenografts targeting CD147. *Cancer Biol Ther*. 2008 Jul;7(7):1063-70. doi: 10.4161/cbt.7.7.6109. Epub 2008 Apr 14. PMID: 18431087; PMCID: PMC2705783.
43. Andrades P, Pehler SF, Baranano CF, Magnuson JS, Carroll WR, **Rosenthal EL**. Fistula analysis after radial forearm free flap reconstruction of hypopharyngeal defects. *Laryngoscope*. 2008 Jul;118(7):1157-63. doi: 10.1097/MLG.0b013e31816f695a. PMID: 18438265.
44. Andrades P, **Rosenthal EL**, Carroll WR, Baranano CF, Peters GE. Zygomatic-maxillary buttress reconstruction of midface defects with the osteocutaneous radial forearm free flap. *Head Neck*. 2008 Oct;30(10):1295-302. doi: 10.1002/hed.20874. PMID: 18642322.
45. Newman JR, Bohannon IA, Zhang W, Skipper JB, Grizzle WE, **Rosenthal EL**. Modulation of tumor cell growth in vivo by extracellular matrix metalloprotease inducer. *Arch Otolaryngol Head Neck Surg*. 2008 Nov;134(11):1218-24. doi: 10.1001/archotol.134.11.1218. PMID: 19015455; PMCID: PMC2676729.
46. Skipper JB, McNally LR, **Rosenthal EL**, Wang W, Buchsbaum DJ. In vivo efficacy of marimastat and chemoradiation in head and neck cancer xenografts. *ORL J Otorhinolaryngol Relat Spec*. 2009;71(1):1-5. doi: 10.1159/000163217. Epub 2008 Oct 16. PMID: 18931526; PMCID: PMC2700630.
47. Andrades P, Bohannon IA, Baranano CF, Wax MK, **Rosenthal E**. Indications and outcomes of double free flaps in head and neck reconstruction. *Microsurgery*. 2009;29(3):171-7. doi: 10.1002/micr.20588. PMID: 18946887.
48. Newman JR, Helman EE, Safavy S, Zhang W, **Rosenthal EL**. EMMPRIN expression is required for response to bevacizumab therapy in HNSCC xenografts. *Cancer Lett*. 2009 Feb 18;274(2):313-8. doi: 10.1016/j.canlet.2008.09.033. Epub 2008 Nov 5. PMID: 18990485; PMCID: PMC2646109.
49. Boudreaux BA, **Rosenthal EL**, Magnuson JS, Newman JR, Desmond RA, Clemons L, Carroll WR. Robot-assisted surgery for upper aerodigestive tract neoplasms. *Arch Otolaryngol Head Neck Surg*. 2009 Apr;135(4):397-401. doi: 10.1001/archoto.2009.24. PMID: 19380364.
50. Iseli TA, Yelverton JC, Iseli CE, Carroll WR, Magnuson JS, **Rosenthal EL**. Functional outcomes following secondary free flap reconstruction of the head and neck. *Laryngoscope*. 2009 May;119(5):856-60. doi: 10.1002/lary.20200. PMID: 19358194.
51. Iseli TA, **Rosenthal EL**. Reconstruction of periauricular and temporal bone defects. *Facial Plast Surg Clin North Am*. 2009 May;17(2):253-62. doi: 10.1016/j.fsc.2009.01.005. PMID: 19393947.
52. Dean NR, Newman JR, Helman EE, Zhang W, Safavy S, Weeks DM, Cunningham M, Snyder LA, Tang Y, Yan L, McNally LR, Buchsbaum DJ, **Rosenthal EL**. Anti-EMMPRIN monoclonal antibody as a novel agent for therapy of head and neck cancer. *Clin Cancer Res*. 2009 Jun 15;15(12):4058-65. doi: 10.1158/1078-0432.CCR-09-0212. Epub 2009 Jun 9. PMID: 19509148; PMCID: PMC2796106.

**Publications and Presentations: Articles in refereed journals (con't)**

53. Iseli TA, Kulbersh BD, Iseli CE, Carroll WR, **Rosenthal EL**, Magnuson JS. Functional outcomes after transoral robotic surgery for head and neck cancer. *Otolaryngol Head Neck Surg*. 2009 Aug;141(2):166-71. doi: 10.1016/j.otohns.2009.05.014. PMID: 19643246.
54. Iseli TA, Iseli CE, **Rosenthal EL**, Caudell JJ, Spencer SA, Magnuson JS, Smith AN, Carroll WR. Postoperative reirradiation for mucosal head and neck squamous cell carcinomas. *Arch Otolaryngol Head Neck Surg*. 2009 Nov;135(11):1158-64. doi: 10.1001/archoto.2009.161. PMID: 19917931.
55. Carroll WR, Kohler CL, Carter VL, Hannon L, Skipper JB, **Rosenthal EL**. Barriers to early detection and treatment of head and neck squamous cell carcinoma in African American men. *Head Neck*. 2009 Dec;31(12):1557-62. doi: 10.1002/hed.21125. PMID: 19431197; PMCID: PMC2783486.
56. Bohannon IA, Desmond RA, Clemons L, Magnuson JS, Carroll WR, **Rosenthal EL**. Management of the N0 neck in recurrent laryngeal squamous cell carcinoma. *Laryngoscope*. 2010 Jan;120(1):58-61. doi: 10.1002/lary.20675. PMID: 19877259.
57. Kostrzewa JP, Lancaster WP, Iseli TA, Desmond RA, Carroll WR, **Rosenthal EL**. Outcomes of salvage surgery with free flap reconstruction for recurrent oral and oropharyngeal cancer. *Laryngoscope*. 2010 Feb;120(2):267-72. doi: 10.1002/lary.20743. PMID: 20013840; PMCID: PMC3389788.
58. Iseli TA, Harris G, Dean NR, Iseli CE, **Rosenthal EL**. Outcomes of static and dynamic facial nerve repair in head and neck cancer. *Laryngoscope*. 2010 Mar;120(3):478-83. doi: 10.1002/lary.20789. PMID: 20131366.
59. Virgin FW, Iseli TA, Iseli CE, Sunde J, Carroll WR, Magnuson JS, **Rosenthal EL**. Functional outcomes of fibula and osteocutaneous forearm free flap reconstruction for segmental mandibular defects. *Laryngoscope*. 2010 Apr;120(4):663-7. doi: 10.1002/lary.20791. PMID: 20213660.
60. Dean NR, **Rosenthal EL**, Carroll WR, Kostrzewa JP, Jones VL, Desmond RA, Clemons L, Magnuson JS. Robotic-assisted surgery for primary or recurrent oropharyngeal carcinoma. *Arch Otolaryngol Head Neck Surg*. 2010 Apr;136(4):380-4. doi: 10.1001/archoto.2010.40. PMID: 20403855.
61. Helman EE, Newman JR, Dean NR, Zhang W, Zinn KR, **Rosenthal EL**. Optical imaging predicts tumor response to anti-EGFR therapy. *Cancer Biol Ther*. 2010 Jul 15;10(2):166-71. doi: 10.4161/cbt.10.2.12164. PMID: 20505368; PMCID: PMC3040897.
62. Dean NR, White HN, Carter DS, Desmond RA, Carroll WR, McGrew BM, **Rosenthal EL**. Outcomes following temporal bone resection. *Laryngoscope*. 2010 Aug;120(8):1516-22. doi: 10.1002/lary.20999. PMID: 20641083; PMCID: PMC3951338.
63. Dean NR, Knowles JA, Helman EE, Aldridge JC, Carroll WR, Magnuson JS, Clemons L, Ziober B, **Rosenthal EL**. Anti-EMMPRIN antibody treatment of head and neck squamous cell carcinoma in an ex-vivo model. *Anticancer Drugs*. 2010 Oct;21(9):861-7. doi: 10.1097/CAD.0b013e32833d1a11. PMID: 20700044; PMCID: PMC4052458.
64. White HN, Moore EJ, **Rosenthal EL**, Carroll WR, Olsen KD, Desmond RA, Magnuson JS. Transoral robotic-assisted surgery for head and neck squamous cell carcinoma: one- and 2-year survival analysis. *Arch Otolaryngol Head Neck Surg*. 2010 Dec;136(12):1248-52. doi: 10.1001/archoto.2010.216. PMID: 21173375.



**Publications and Presentations: Articles in refereed journals (con't)**

65. Dean NR, Sweeny L, Magnuson JS, Carroll WR, Robinson D, Desmond RA, **Rosenthal EL**. Outcomes of recurrent head and neck cutaneous squamous cell carcinoma. *J Skin Cancer*. 2011;2011:972497. doi: 10.1155/2011/972497. Epub 2011 Jun 9. PMID: 21773040; PMCID: PMC3135242.
66. Cannady SB, Dean N, Kroeker A, Albert TA, **Rosenthal EL**, Wax MK. Free flap reconstruction for osteoradionecrosis of the jaws--outcomes and predictive factors for success. *Head Neck*. 2011 Mar;33(3):424-8. doi: 10.1002/hed.21463. PMID: 20645290.
67. Dean NR, McKinney SM, Wax MK, Louis PJ, **Rosenthal EL**. Free flap reconstruction of self-inflicted submental gunshot wounds. *Craniofacial Trauma Reconstr*. 2011 Mar;4(1):25-34. doi: 10.1055/s-0031-1272899. PMID: 22379504; PMCID: PMC3208334.
68. Bohannon IA, Carroll WR, Magnuson JS, **Rosenthal EL**. Closure of post-laryngectomy pharyngocutaneous fistulae. *Head Neck Oncol*. 2011 May 26;3:29. doi: 10.1186/1758-3284-3-29. PMID: 21615952; PMCID: PMC3125278.
69. Kejner AE, **Rosenthal EL**. Method for removing hypopharyngeal salivary bypass tubes. *Laryngoscope*. 2011 Jul;121(7):1478-9. doi: 10.1002/lary.21833. Epub 2011 May 3. PMID: 21541946.
70. Sinclair CF, **Rosenthal EL**, McColloch NL, Magnuson JS, Desmond RA, Peters GE, Carroll WR. Primary versus delayed tracheoesophageal puncture for laryngopharyngectomy with free flap reconstruction. *Laryngoscope*. 2011 Jul;121(7):1436-40. doi: 10.1002/lary.21836. Epub 2011 May 3. PMID: 21541947.
71. Liu Z, Hartman YE, Warram JM, Knowles JA, Sweeny L, Zhou T, **Rosenthal EL**. Fibroblast growth factor receptor mediates fibroblast-dependent growth in EMMPRIN-depleted head and neck cancer tumor cells. *Mol Cancer Res*. 2011 Aug;9(8):1008-17. doi: 10.1158/1541-7786.MCR-11-0043. Epub 2011 Jun 10. PMID: 21665938; PMCID: PMC3157557.
72. Andrades P, Militsakh O, Hanasono MM, Rieger J, **Rosenthal EL**. Current strategies in reconstruction of maxillectomy defects. *Arch Otolaryngol Head Neck Surg*. 2011 Aug;137(8):806-12. doi: 10.1001/archoto.2011.132. PMID: 21844415; PMCID: PMC3951334.
73. Kim H, Zhai G, Liu Z, Samuel S, Shah N, Helman EE, Knowles JA, Stockard CR, Fineberg NS, Grizzle WE, Zhou T, Zinn KR, **Rosenthal EL**. Extracellular matrix metalloproteinase as a novel target for pancreatic cancer therapy. *Anticancer Drugs*. 2011 Oct;22(9):864-74. doi: 10.1097/CAD.0b013e328349311e. PMID: 21730821; PMCID: PMC3587034.
74. Sinclair CF, Carroll WR, Desmond RA, **Rosenthal EL**. Functional and survival outcomes in patients undergoing total glossectomy compared with total laryngoglossectomy. *Otolaryngol Head Neck Surg*. 2011 Nov;145(5):755-8. doi: 10.1177/0194599811412724. Epub 2011 Jun 13. PMID: 21670476.
75. Sullivan BP, Parks KA, Dean NR, **Rosenthal EL**, Carroll WR, Magnuson JS. Utility of CT surveillance for primary site recurrence of squamous cell carcinoma of the head and neck. *Head Neck*. 2011 Nov;33(11):1547-50. doi: 10.1002/hed.21636. Epub 2010 Dec 6. PMID: 21990217.
76. Knowles JA, Golden B, Yan L, Carroll WR, Helman EE, **Rosenthal EL**. Disruption of the AKT pathway inhibits metastasis in an orthotopic model of head and neck squamous cell carcinoma. *Laryngoscope*. 2011 Nov;121(11):2359-65. doi: 10.1002/lary.22180. PMID: 22020886; PMCID: PMC3396129.

**Publications and Presentations: Articles in refereed journals (con't)**

77. Sinclair CF, McColloch NL, Carroll WR, **Rosenthal EL**, Desmond RA, Magnuson JS. Patient-perceived and objective functional outcomes following transoral robotic surgery for early oropharyngeal carcinoma. *Arch Otolaryngol Head Neck Surg*. 2011 Nov;137(11):1112-6. doi: 10.1001/archoto.2011.172. PMID: 22106235.
78. Sweeny L, Dean NR, Magnuson JS, Carroll WR, Clemons L, **Rosenthal EL**. Assessment of tissue autofluorescence and reflectance for oral cavity cancer screening. *Otolaryngol Head Neck Surg*. 2011 Dec;145(6):956-60. doi: 10.1177/0194599811416773. Epub 2011 Jul 29. PMID: 21804026; PMCID: PMC3594780.
79. Barañano CF, **Rosenthal EL**, Morgan BA, McColloch NL, Magnuson JS. Dynasplint for the management of trismus after treatment of upper aerodigestive tract cancer: a retrospective study. *Ear Nose Throat J*. 2011 Dec;90(12):584-90. doi: 10.1177/014556131109001209. PMID: 22180114.
80. Sun Q, Prasad R, **Rosenthal E**, Katiyar SK. Grape seed proanthocyanidins inhibit the invasive potential of head and neck cutaneous squamous cell carcinoma cells by targeting EGFR expression and epithelial-to-mesenchymal transition. *BMC Complement Altern Med*. 2011 Dec 21;11:134. doi: 10.1186/1472-6882-11-134. PMID: 22188922; PMCID: PMC3258217.
81. Sun Q, Prasad R, Rosenthal E, Katiyar SK. Grape seed proanthocyanidins inhibit the invasiveness of human HNSCC cells by targeting EGFR and reversing the epithelial-to-mesenchymal transition. *PLoS One*. 2012;7(1):e31093. doi: 10.1371/journal.pone.0031093. Epub 2012 Jan 27. Retraction in: *PLoS One*. 2018 Dec 31;13(12):e0210346. PMID: 22299051; PMCID: PMC3267770.
82. Schneider DS, McClain L, Robb PK Jr, **Rosenthal EL**, Wax MK. Use of internal mammary vessels in head and neck microvascular reconstruction. *Arch Otolaryngol Head Neck Surg*. 2012 Feb;138(2):172-6. doi: 10.1001/archoto.2011.1150. PMID: 22351864.
83. Sweeny L, Golden JB, White HN, Magnuson JS, Carroll WR, **Rosenthal EL**. Incidence and outcomes of stricture formation postlaryngectomy. *Otolaryngol Head Neck Surg*. 2012 Mar;146(3):395-402. doi: 10.1177/0194599811430911. Epub 2011 Dec 13. PMID: 22166968; PMCID: PMC3951323.
84. Hanasono MM, Lin D, Wax MK, **Rosenthal EL**. Closure of laryngectomy defects in the age of chemoradiation therapy. *Head Neck*. 2012 Apr;34(4):580-8. doi: 10.1002/hed.21712. Epub 2011 Mar 17. PMID: 21416549; PMCID: PMC3951360.
85. Shah N, Zhai G, Knowles JA, Stockard CR, Grizzle WE, Fineberg N, Zhou T, Zinn KR, **Rosenthal EL**, Kim H. (18)F-FDG PET/CT imaging detects therapy efficacy of anti-EMMPRIN antibody and gemcitabine in orthotopic pancreatic tumor xenografts. *Mol Imaging Biol*. 2012 Apr;14(2):237-44. doi: 10.1007/s11307-011-0491-5. PMID: 21494920; PMCID: PMC3594775.
86. Dean NR, Wax MK, Virgin FW, Magnuson JS, Carroll WR, **Rosenthal EL**. Free flap reconstruction of lateral mandibular defects: indications and outcomes. *Otolaryngol Head Neck Surg*. 2012 Apr;146(4):547-52. doi: 10.1177/0194599811430897. Epub 2011 Dec 12. PMID: 22166963; PMCID: PMC3589763.
87. Sweeny L, Dean NR, Magnuson JS, Carroll WR, Helman EE, Hyde SO, Desmond RL, **Rosenthal EL**. EGFR expression in advanced head and neck cutaneous squamous cell carcinoma. *Head*



**Publications and Presentations: Articles in refereed journals (con't)**

- Neck*. 2012 May;34(5):681-6. doi: 10.1002/hed.21802. Epub 2011 Jul 7. PMID: 21739514; PMCID: PMC3193876.
88. Sinclair CF, Gleysteen JP, Zimmermann TM, Wax MK, Givi B, Schneider D, **Rosenthal EL**. Assessment of donor site morbidity for free radial forearm osteocutaneous flaps. *Microsurgery*. 2012 May;32(4):255-60. doi: 10.1002/micr.21950. Epub 2012 Mar 31. PMID: 22473601; PMCID: PMC3951340.
89. Sweeny L, Eby B, Magnuson JS, Carroll WR, **Rosenthal EL**. Reconstruction of scalp defects with the radial forearm free flap. *Head Neck Oncol*. 2012 May 14;4:21. doi: 10.1186/1758-3284-4-21. PMID: 22583845; PMCID: PMC3414765.
90. Kejner AE, Castellanos PF, **Rosenthal EL**, Hawn MT. All-cause mortality after tracheostomy at a tertiary care hospital over a 10-month period. *Otolaryngol Head Neck Surg*. 2012 Jun;146(6):918-22. doi: 10.1177/0194599812437316. Epub 2012 Feb 17. PMID: 22344290.
91. Heath CH, Sorace A, Knowles J, **Rosenthal E**, Hoyt K. Microbubble therapy enhances anti-tumor properties of cisplatin and cetuximab in vitro and in vivo. *Otolaryngol Head Neck Surg*. 2012 Jun;146(6):938-45. doi: 10.1177/0194599812436648. Epub 2012 Feb 8. PMID: 22323435; PMCID: PMC3420014.
92. Sweeny L, Dean NR, Frederick JW, Magnuson JS, Carroll WR, Desmond RA, **Rosenthal EL**. CD147 expression in advanced cutaneous squamous cell carcinoma. *J Cutan Pathol*. 2012 Jun;39(6):603-9. doi: 10.1111/j.1600-0560.2012.01912.x. Epub 2012 May 11. PMID: 22575025; PMCID: PMC3634338.
93. Sweeny L, Liu Z, Lancaster W, Hart J, Hartman YE, **Rosenthal EL**. Inhibition of fibroblasts reduced head and neck cancer growth by targeting fibroblast growth factor receptor. *Laryngoscope*. 2012 Jul;122(7):1539-44. doi: 10.1002/lary.23266. Epub 2012 Mar 27. PMID: 22460537; PMCID: PMC3447628.
94. Knowles JA, Heath CH, Saini R, Umphrey H, Warram J, Hoyt K, **Rosenthal EL**. Molecular targeting of ultrasonographic contrast agent for detection of head and neck squamous cell carcinoma. *Arch Otolaryngol Head Neck Surg*. 2012 Jul;138(7):662-8. doi: 10.1001/archoto.2012.1081. PMID: 22801891; PMCID: PMC3417358.
95. Miller MW, Dean NR, Cannady SB, **Rosenthal EL**, Wax MK. Free tissue transfer for head and neck reconstruction in solid organ transplant patients. *Head Neck*. 2012 Aug;34(8):1143-6. doi: 10.1002/hed.21893. Epub 2011 Nov 11. PMID: 22076843; PMCID: PMC3607204.
96. Sweeny L, Lancaster WP, Dean NR, Magnuson JS, Carroll WR, Louis PJ, **Rosenthal EL**. Use of recombinant bone morphogenetic protein 2 in free flap reconstruction for osteonecrosis of the mandible. *J Oral Maxillofac Surg*. 2012 Aug;70(8):1991-6. doi: 10.1016/j.joms.2011.08.037. Epub 2011 Dec 16. PMID: 22177824; PMCID: PMC3951353.
97. White HN, Golden B, Sweeny L, Carroll WR, Magnuson JS, **Rosenthal EL**. Assessment and incidence of salivary leak following laryngectomy. *Laryngoscope*. 2012 Aug;122(8):1796-9. doi: 10.1002/lary.23443. Epub 2012 May 30. PMID: 22648757; PMCID: PMC3951314.
98. Sweeny L, Liu Z, Bush BD, Hartman Y, Zhou T, **Rosenthal EL**. CD147 and AGR2 expression promote cellular proliferation and metastasis of head and neck squamous cell carcinoma. *Exp Cell Res*. 2012 Aug 15;318(14):1788-98. doi: 10.1016/j.yexcr.2012.04.022. Epub 2012 May 30. PMID: 22659167; PMCID: PMC3951318.

**Publications and Presentations: Articles in refereed journals (con't)**

99. Heath CH, Deep NL, Sweeny L, Zinn KR, **Rosenthal EL**. Use of panitumumab-IRDye800 to image microscopic head and neck cancer in an orthotopic surgical model. *Ann Surg Oncol*. 2012 Nov;19(12):3879-87. doi: 10.1245/s10434-012-2435-y. Epub 2012 Jun 6. PMID: 22669455; PMCID: PMC3595117.
100. Sweeny L, Zimmermann TM, Liu Z, **Rosenthal EL**. Evaluation of tyrosine receptor kinases in the interactions of head and neck squamous cell carcinoma cells and fibroblasts. *Oral Oncol*. 2012 Dec;48(12):1242-9. doi: 10.1016/j.oraloncology.2012.06.011. Epub 2012 Jul 13. PMID: 22795534; PMCID: PMC3496822.
101. Magnuson JS, Durst J, **Rosenthal EL**, Carroll WR, Ritchie CS, Kilgore ML, Locher JL. Increased likelihood of long-term gastrostomy tube dependence in head and neck cancer survivors without partners. *Head Neck*. 2013 Mar;35(3):420-5. doi: 10.1002/hed.22996. Epub 2012 Apr 14. PMID: 22505332; PMCID: PMC3598155.
102. Day KE, Beck LN, Heath CH, Huang CC, Zinn KR, **Rosenthal EL**. Identification of the optimal therapeutic antibody for fluorescent imaging of cutaneous squamous cell carcinoma. *Cancer Biol Ther*. 2013 Mar;14(3):271-7. doi: 10.4161/cbt.23300. Epub 2013 Jan 8. PMID: 23298904; PMCID: PMC3595310.
103. Heath CH, Deep NL, Nabell L, Carroll WR, Desmond R, Clemons L, Spencer S, Magnuson JS, **Rosenthal EL**. Phase 1 study of erlotinib plus radiation therapy in patients with advanced cutaneous squamous cell carcinoma. *Int J Radiat Oncol Biol Phys*. 2013 Apr 1;85(5):1275-81. doi: 10.1016/j.ijrobp.2012.09.030. Epub 2012 Nov 22. PMID: 23182701; PMCID: PMC3607201.
104. Heath CH, Deep NL, Beck LN, Day KE, Sweeny L, Zinn KR, Huang CC, **Rosenthal EL**. Use of panitumumab-IRDye800 to image cutaneous head and neck cancer in mice. *Otolaryngol Head Neck Surg*. 2013 Jun;148(6):982-90. doi: 10.1177/0194599813482290. Epub 2013 Mar 22. PMID: 23525846; PMCID: PMC3951339.
105. Frederick JW, Sweeny L, Carroll WR, **Rosenthal EL**. Microvascular anastomotic coupler assessment in head and neck reconstruction. *Otolaryngol Head Neck Surg*. 2013 Jul;149(1):67-70. doi: 10.1177/0194599813486875. Epub 2013 Apr 12. PMID: 23585150; PMCID: PMC3951332.
106. Asher SA, White HN, Kejner AE, **Rosenthal EL**, Carroll WR, Magnuson JS. Hemorrhage after transoral robotic-assisted surgery. *Otolaryngol Head Neck Surg*. 2013 Jul;149(1):112-7. doi: 10.1177/0194599813486254. Epub 2013 Apr 12. PMID: 23585156.
107. Frederick JW, Sweeny L, Carroll WR, Peters GE, **Rosenthal EL**. Outcomes in head and neck reconstruction by surgical site and donor site. *Laryngoscope*. 2013 Jul;123(7):1612-7. doi: 10.1002/lary.23775. Epub 2013 May 17. PMID: 23686870; PMCID: PMC3695001.
108. Brickman DS, Reh DD, Schneider DS, Bush B, **Rosenthal EL**, Wax MK. Airway management after maxillectomy with free flap reconstruction. *Head Neck*. 2013 Aug;35(8):1061-5. doi: 10.1002/hed.23082. Epub 2012 Aug 21. PMID: 22907774.
109. White H, Ford S, Bush B, Holsinger FC, Moore E, Ghanem T, Carroll W, **Rosenthal E**, Sweeny L, Magnuson JS. Salvage surgery for recurrent cancers of the oropharynx: comparing TORS with standard open surgical approaches. *JAMA Otolaryngol Head Neck Surg*. 2013 Aug 1;139(8):773-8. doi: 10.1001/jamaoto.2013.3866. Erratum in: *JAMA Otolaryngol Head Neck Surg*. 2013 Dec;139(12):1290. Sweeny, Larissa [added]. PMID: 23949352.

**Publications and Presentations: Articles in refereed journals (con't)**

110. Li Y, Bai S, Carroll W, Dayan D, Dort JC, Heller K, Jour G, Lau H, Penner C, Prystowsky M, **Rosenthal E**, Schlecht NF, Smith RV, Urken M, Vered M, Wang B, Wenig B, Negassa A, Brandwein-Gensler M. Validation of the risk model: high-risk classification and tumor pattern of invasion predict outcome for patients with low-stage oral cavity squamous cell carcinoma. *Head Neck Pathol.* 2013 Sep;7(3):211-23. doi: 10.1007/s12105-012-0412-1. Epub 2012 Dec 19. PMID: 23250819; PMCID: PMC3738758.
111. Sweeny L, Hartman YE, Zinn KR, Prudent JR, Marshall DJ, Shekhani MS, **Rosenthal EL**. A novel extracellular drug conjugate significantly inhibits head and neck squamous cell carcinoma. *Oral Oncol.* 2013 Oct;49(10):991-7. doi: 10.1016/j.oraloncology.2013.07.006. Epub 2013 Aug 3. PMID: 23920309; PMCID: PMC3951319.
112. Day KE, Beck LN, Deep NL, Kovar J, Zinn KR, **Rosenthal EL**. Fluorescently labeled therapeutic antibodies for detection of microscopic melanoma. *Laryngoscope.* 2013 Nov;123(11):2681-9. doi: 10.1002/lary.24102. Epub 2013 Apr 24. PMID: 23616260; PMCID: PMC3758788.
113. Hanasono MM, Militsakh ON, Richmon JD, **Rosenthal EL**, Wax MK. Mandibulectomy and free flap reconstruction for bisphosphonate-related osteonecrosis of the jaws. *JAMA Otolaryngol Head Neck Surg.* 2013 Nov;139(11):1135-42. doi: 10.1001/jamaoto.2013.4474. PMID: 24051498.
114. Patel UA, Moore BA, Wax M, **Rosenthal E**, Sweeny L, Militsakh ON, Califano JA, Lin AC, Hasney CP, Butcher RB, Flohr J, Arnaoutakis D, Huddle M, Richmon JD. Impact of pharyngeal closure technique on fistula after salvage laryngectomy. *JAMA Otolaryngol Head Neck Surg.* 2013 Nov;139(11):1156-62. doi: 10.1001/jamaoto.2013.2761. PMID: 23576219.
115. Day KE, Sweeny L, Kulbersh B, Zinn KR, **Rosenthal EL**. Preclinical comparison of near-infrared-labeled cetuximab and panitumumab for optical imaging of head and neck squamous cell carcinoma. *Mol Imaging Biol.* 2013 Dec;15(6):722-9. doi: 10.1007/s11307-013-0652-9. PMID: 23715932; PMCID: PMC3951369.
116. Kejner AE, Burch MB, Sweeny L, **Rosenthal EL**. Bone morphogenetic protein 6 expression in oral cavity squamous cell cancer is associated with bone invasion. *Laryngoscope.* 2013 Dec;123(12):3061-5. doi: 10.1002/lary.24267. Epub 2013 Jul 1. PMID: 23775772; PMCID: PMC3805669.
117. **Rosenthal EL**, Zinn KR. Putting numbers to fluorescent guided surgery. *Mol Imaging Biol.* 2013 Dec;15(6):647-8. doi: 10.1007/s11307-013-0662-7. PMID: 23836503.
118. Day KE, Desmond R, Magnuson JS, Carroll WR, **Rosenthal EL**. Hardware removal after osseous free flap reconstruction. *Otolaryngol Head Neck Surg.* 2014 Jan;150(1):40-6. doi: 10.1177/0194599813512103. Epub 2013 Nov 7. PMID: 24201061; PMCID: PMC4308049.
119. Korb ML, Warram JM, Grudzinski J, Weichert J, Jeffery J, **Rosenthal EL**. Breast cancer imaging using the near-infrared fluorescent agent, CLR1502. *Mol Imaging.* 2014;13. doi: 10.2310/7290.2014.00040. PMID: 25743270.
120. Gong H, Kovar JL, Cheung L, **Rosenthal EL**, Olive DM. A comparative study of affibody, panitumumab, and EGF for near-infrared fluorescence imaging of EGFR- and EGFRvIII-expressing tumors. *Cancer Biol Ther.* 2014 Feb;15(2):185-93. doi: 10.4161/cbt.26719. Epub 2013 Nov 1. PMID: 24100437; PMCID: PMC3928134.

**Publications and Presentations: Articles in refereed journals (con't)**

121. Asher SA, White HN, Illing EA, Carroll WR, Magnuson JS, **Rosenthal EL**. Intraluminal negative pressure wound therapy for optimizing pharyngeal reconstruction. *JAMA Otolaryngol Head Neck Surg*. 2014 Feb;140(2):143-9. doi: 10.1001/jamaoto.2013.6143. PMID: 24370595.
122. **Rosenthal EL**. Optical imaging of head and neck cancer: opportunities and challenges. *JAMA Otolaryngol Head Neck Surg*. 2014 Feb;140(2):93-4. doi: 10.1001/jamaoto.2013.6166. PMID: 24370727.
123. Asher SA, White HN, Golden JB, Magnuson JS, Carroll WR, **Rosenthal EL**. Negative pressure wound therapy in head and neck surgery. *JAMA Facial Plast Surg*. 2014 Mar-Apr;16(2):120-6. doi: 10.1001/jamafacial.2013.2163. PMID: 24357046.
124. Sweeny L, Zimmerman T, Carroll WR, Schmalbach CE, Day KE, **Rosenthal EL**. Head and neck cutaneous squamous cell carcinoma requiring parotidectomy: prognostic indicators and treatment selection. *Otolaryngol Head Neck Surg*. 2014 Apr;150(4):610-7. doi: 10.1177/0194599814520686. Epub 2014 Jan 28. PMID: 24474713.
125. Korb ML, Hartman YE, Kovar J, Zinn KR, Bland KI, **Rosenthal EL**. Use of monoclonal antibody-IRDye800CW bioconjugates in the resection of breast cancer. *J Surg Res*. 2014 May 1;188(1):119-28. doi: 10.1016/j.jss.2013.11.1089. Epub 2013 Nov 22. PMID: 24360117; PMCID: PMC4354808.
126. Dean NR, **Rosenthal EL**, Morgan BA, Magnuson JS, Carroll WR. Harmonic Scalpel versus electrocautery and surgical clips in head and neck free-flap harvesting. *Ear Nose Throat J*. 2014 Jun;93(6):E36-9. PMID: 24932828.
127. Warram JM, de Boer E, Sorace AG, Chung TK, Kim H, Pleijhuis RG, van Dam GM, **Rosenthal EL**. Antibody-based imaging strategies for cancer. *Cancer Metastasis Rev*. 2014 Sep;33(2-3):809-22. doi: 10.1007/s10555-014-9505-5. PMID: 24913898; PMCID: PMC4116453.
128. Cannady SB, **Rosenthal EL**, Knott PD, Fritz M, Wax MK. Free tissue transfer for head and neck reconstruction: a contemporary review. *JAMA Facial Plast Surg*. 2014 Sep-Oct;16(5):367-73. doi: 10.1001/jamafacial.2014.323. PMID: 24994489.
129. Ford SE, Brandwein-Gensler M, Carroll WR, **Rosenthal EL**, Magnuson JS. Transoral robotic versus open surgical approaches to oropharyngeal squamous cell carcinoma by human papillomavirus status. *Otolaryngol Head Neck Surg*. 2014 Oct;151(4):606-11. doi: 10.1177/0194599814542939. Epub 2014 Jul 21. PMID: 25049265.
130. Chung TK, **Rosenthal EL**, Porterfield JR, Carroll WR, Richman J, Hawn MT. Examining national outcomes after thyroidectomy with nerve monitoring. *J Am Coll Surg*. 2014 Oct;219(4):765-70. doi: 10.1016/j.jamcollsurg.2014.04.013. Epub 2014 May 29. PMID: 25158909; PMCID: PMC4370365.
131. de Boer E, Warram JM, Hartmans E, Bremer PJ, Bijl B, Crane LM, Nagengast WB, **Rosenthal EL**, van Dam GM. A standardized light-emitting diode device for photoimmunotherapy. *J Nucl Med*. 2014 Nov;55(11):1893-8. doi: 10.2967/jnumed.114.142299. Epub 2014 Oct 14. PMID: 25315245.
132. Green HN, Crockett SD, Martyshkin DV, Singh KP, Grizzle WE, **Rosenthal EL**, Mirov SB. A histological evaluation and in vivo assessment of intratumoral near infrared photothermal nanotherapy-induced tumor regression. *Int J Nanomedicine*. 2014 Nov 5;9:5093-102. doi: 10.2147/IJN.S60648. PMID: 25395847; PMCID: PMC4227627.



**Publications and Presentations: Articles in refereed journals (con't)**

133. **Rosenthal EL**, Chung TK, Carroll WR, Clemons L, Desmond R, Nabell L. Assessment of erlotinib as adjuvant chemoprevention in high-risk head and neck cancer patients. *Ann Surg Oncol*. 2014 Dec;21(13):4263-9. doi: 10.1245/s10434-014-3878-0. Epub 2014 Jul 8. PMID: 25001094.
134. De Boer E, Harlaar NJ, Taruttis A, Nagengast WB, **Rosenthal EL**, Ntziachristos V, Van Dam GM. Optical innovations in surgery. *J British Surg*. 2015/1. Vol. 102, Issue 2, pp. e56-e72.
135. Jiang R, Ekshyyan O, Moore-Medlin T, Rong X, Nathan S, Gu X, Abreo F, **Rosenthal EL**, Shi M, Guidry JT, Scott RS, Hutt-Fletcher LM, Nathan CA. Association between human papilloma virus/Epstein-Barr virus coinfection and oral carcinogenesis. *J Oral Pathol Med*. 2015 Jan;44(1):28-36. doi: 10.1111/jop.12221. Epub 2014 Jul 18. PMID: 25040496; PMCID: PMC4286485.
136. **Rosenthal EL**, Warram JM, Bland KI, Zinn KR. The status of contemporary image-guided modalities in oncologic surgery. *Ann Surg*. 2015 Jan;261(1):46-55. doi: 10.1097/SLA.0000000000000622. PMID: 25599326; PMCID: PMC4299947.
137. Chung TK, **Rosenthal EL**, Magnuson JS, Carroll WR. Transoral robotic surgery for oropharyngeal and tongue cancer in the United States. *Laryngoscope*. 2015 Jan;125(1):140-5. doi: 10.1002/lary.24870. Epub 2014 Aug 5. PMID: 25093603; PMCID: PMC4347815.
138. Chung TK, **Rosenthal EL**, Magnuson JS, Carroll WR. Transoral robotic surgery for oropharyngeal and tongue cancer in the United States. *Laryngoscope*. 2015 Jan;125(1):140-5. doi: 10.1002/lary.24870. Epub 2014 Aug 5. PMID: 25093603; PMCID: PMC4347815.
139. Chung TK, Warram J, Day KE, Hartman Y, **Rosenthal EL**. Time-dependent pretreatment with bevacuzimab increases tumor specific uptake of cetuximab in preclinical oral cavity cancer studies. *Cancer Biol Ther*. 2015;16(5):790-8. doi: 10.1080/15384047.2015.1016664. Epub 2015 Feb 26. PMID: 25719497; PMCID: PMC4623551.
140. Warram JM, de Boer E, Korb M, Hartman Y, Kovar J, Markert JM, Gillespie GY, **Rosenthal EL**. Fluorescence-guided resection of experimental malignant glioma using cetuximab-IRDye 800CW. *Br J Neurosurg*. 2015;29(6):850-8. doi: 10.3109/02688697.2015.1056090. Epub 2015 Jun 15. PMID: 26073144; PMCID: PMC4740249.
141. Zinn KR, Korb M, Samuel S, Warram JM, Dion D, Killingsworth C, Fan J, Schoeb T, Strong TV, **Rosenthal EL**. IND-directed safety and biodistribution study of intravenously injected cetuximab-IRDye800 in cynomolgus macaques. *Mol Imaging Biol*. 2015 Feb;17(1):49-57. doi: 10.1007/s11307-014-0773-9. PMID: 25080323; PMCID: PMC4318248.
142. Burch MB, Chung TK, **Rosenthal EL**, Schmalbach CE. Multimodality management of high-risk head and neck basal cell carcinoma requiring free-flap reconstruction. *Otolaryngol Head Neck Surg*. 2015 May;152(5):868-73. doi: 10.1177/0194599815575720. Epub 2015 Mar 24. PMID: 25805638.
143. Chung TK, **Rosenthal EL**, Porterfield JR, Carroll WR, Richman J, Hawn MT. Intraoperative Nerve Monitoring and Vocal Cord Paralysis: Controlling Bias: In reply to Nguyen and Wang. *J Am Coll Surg*. 2015 May;220(5):973-4. doi: 10.1016/j.jamcollsurg.2015.02.005. PMID: 25907881.
144. Chung TK, **Rosenthal EL**, Porterfield JR, Carroll WR, Richman J, Hawn MT. Intraoperative Nerve Monitoring and Vocal Cord Paralysis: Controlling Bias: In reply to Nguyen and Wang. *J*

**Publications and Presentations: Articles in refereed journals (con't)**

- Am Coll Surg.* 2015 May;220(5):973-4. doi: 10.1016/j.jamcollsurg.2015.02.005. PMID: 25907881.
145. de Boer E, Warram JM, Tucker MD, Hartman YE, Moore LS, de Jong JS, Chung TK, Korb ML, Zinn KR, van Dam GM, **Rosenthal EL**, Brandwein-Gensler MS. In Vivo Fluorescence Immunohistochemistry: Localization of Fluorescently Labeled Cetuximab in Squamous Cell Carcinomas. *Sci Rep.* 2015 Jun 29;5:10169. doi: 10.1038/srep10169. PMID: 26120042; PMCID: PMC4894408.
146. Korb ML, Huh WK, Boone JD, Warram JM, Chung TK, de Boer E, Bland KI, **Rosenthal EL**. Laparoscopic Fluorescent Visualization of the Ureter With Intravenous IRDye800CW. *J Minim Invasive Gynecol.* 2015 Jul-Aug;22(5):799-806. doi: 10.1016/j.jmig.2015.03.008. Epub 2015 Mar 18. PMID: 25796218; PMCID: PMC4490072.
147. Warram JM, de Boer E, Moore LS, Schmalbach CE, Withrow KP, Carroll WR, Richman JS, Morlandt AB, Brandwein-Gensler M, **Rosenthal EL**. A ratiometric threshold for determining presence of cancer during fluorescence-guided surgery. *J Surg Oncol.* 2015 Jul;112(1):2-8. doi: 10.1002/jso.23946. Epub 2015 Jun 12. PMID: 26074273; PMCID: PMC4510011.
148. Wax MK, Futran ND, **Rosenthal EL**, Blackwell KE, Cannady S. Accidental dropping or misplacement of free flaps. *Laryngoscope.* 2015 Aug;125(8):1807-10. doi: 10.1002/lary.25282. Epub 2015 Apr 15. PMID: 25877212.
149. **Rosenthal EL**, Warram JM, de Boer E, Chung TK, Korb ML, Brandwein-Gensler M, Strong TV, Schmalbach CE, Morlandt AB, Agarwal G, Hartman YE, Carroll WR, Richman JS, Clemons LK, Nabell LM, Zinn KR. Safety and Tumor Specificity of Cetuximab-IRDye800 for Surgical Navigation in Head and Neck Cancer. *Clin Cancer Res.* 2015 Aug 15;21(16):3658-66. doi: 10.1158/1078-0432.CCR-14-3284. Epub 2015 Apr 22. PMID: 25904751; PMCID: PMC4909371.
150. Weaver AN, Cooper TS, Rodriguez M, Trummell HQ, Bonner JA, **Rosenthal EL**, Yang ES. DNA double strand break repair defect and sensitivity to poly ADP-ribose polymerase (PARP) inhibition in human papillomavirus 16-positive head and neck squamous cell carcinoma. *Oncotarget.* 2015 Sep 29;6(29):26995-7007. doi: 10.18632/oncotarget.4863. PMID: 26336991; PMCID: PMC4694969.
151. Kim H, Hartman YE, Zhai G, Chung TK, Korb ML, Beasley TM, Zhou T, **Rosenthal EL**. Dynamic contrast-enhanced MRI evaluates the early response of human head and neck tumor xenografts following anti-EMMPRN therapy with cisplatin or irradiation. *J Magn Reson Imaging.* 2015 Oct;42(4):936-45. doi: 10.1002/jmri.24871. Epub 2015 Feb 20. PMID: 25704985; PMCID: PMC4545484.
152. **Rosenthal EL**, Warram JM, de Boer E, Babilion JP, Biel MA, Bogyo M, Bouvet M, Brigman BE, Colson YL, DeMeester SR, Gurtner GC, Ishizawa T, Jacobs PM, Keereweer S, Liao JC, Nguyen QT, Olson JM, Paulsen KD, Rieves D, Sumer BD, Tweedle MF, Vahrmeijer AL, Weichert JP, Wilson BC, Zenn MR, Zinn KR, van Dam GM. Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. *J Nucl Med.* 2016 Jan;57(1):144-50. doi: 10.2967/jnumed.115.158915. Epub 2015 Oct 8. PMID: 26449839; PMCID: PMC4772735.
153. McQueen N, Partington EJ, Harrington KF, **Rosenthal EL**, Carroll WR, Schmalbach CE. Smoking Cessation and Electronic Cigarette Use among Head and Neck Cancer Patients.

**Publications and Presentations: Articles in refereed journals (con't)**

- Otolaryngol Head Neck Surg.* 2016 Jan;154(1):73-9. doi: 10.1177/0194599815613279. Epub 2015 Oct 30. PMID: 26519457.
154. Frederick JW, Sweeny L, Hartman Y, Zhou T, **Rosenthal EL**. Epidermal growth factor receptor inhibition by anti-CD147 therapy in cutaneous squamous cell carcinoma. *Head Neck.* 2016 Feb;38(2):247-52. doi: 10.1002/hed.23885. Epub 2015 Jun 16. PMID: 25270595.
155. Liu JC, Pynnonen MA, St John M, **Rosenthal EL**, Couch ME, Schmalbach CE. Grant-Writing Pearls and Pitfalls: Maximizing Funding Opportunities. *Otolaryngol Head Neck Surg.* 2016 Feb;154(2):226-32. doi: 10.1177/0194599815620174. Epub 2015 Dec 1. PMID: 26626133.
156. Zimmermann TM, Moore LS, Warram JM, Greene BJ, Nakhmani A, Korb ML, **Rosenthal EL**. A standardized model for predicting flap failure using indocyanine green dye. *Proc. SPIE 9696, Molecular-Guided Surgery: Molecules, Devices, and Applications II, 96960X.* 2016 March 4; 9696: 96960X.
157. de Boer E, Moore LS, Warram JM, Huang CC, Brandwein-Gensler MS, van Dam GM, **Rosenthal EL**, Schmalbach CE. On the horizon: Optical imaging for cutaneous squamous cell carcinoma. *Head Neck.* 2016 Apr;38 Suppl 1:E2204-13. doi: 10.1002/hed.24079. Epub 2015 Jul 20. PMID: 25899874.
158. Warram JM, de Boer E, van Dam GM, Moore LS, Bevans SL, Walsh EM, Young ES, Carroll WR, Stevens TM, **Rosenthal EL**. Fluorescence imaging to localize head and neck squamous cell carcinoma for enhanced pathological assessment. *J Pathol Clin Res.* 2016 Mar 2;2(2):104-12. doi: 10.1002/cjp.2.40. PMID: 27499920; PMCID: PMC4907060.
159. Moore LS, de Boer E, Warram JM, Tucker MD, Carroll WR, Korb ML, Brandwein-Gensler MS, van Dam GM, **Rosenthal EL**. Photoimmunotherapy of residual disease after incomplete surgical resection in head and neck cancer models. *Cancer Med.* 2016 Jul;5(7):1526-34. doi: 10.1002/cam4.752. Epub 2016 May 11. PMID: 27167827; PMCID: PMC4867660.
160. Moore LS, de Boer E, Warram JM, Tucker MD, Carroll WR, Korb ML, Brandwein-Gensler MS, van Dam GM, **Rosenthal EL**. Photoimmunotherapy of residual disease after incomplete surgical resection in head and neck cancer models. *Cancer Med.* 2016 Jul;5(7):1526-34. doi: 10.1002/cam4.752. Epub 2016 May 11. PMID: 27167827; PMCID: PMC4867660.
161. Kejner AE, **Rosenthal EL**. Lower facial reanimation techniques following cancer resection and free flap reconstruction. *Laryngoscope.* 2016 Sep;126(9):1990-4. doi: 10.1002/lary.25852. Epub 2016 Jan 25. PMID: 26808491.
162. Weaver AN, Burch MB, Cooper TS, Della Manna DL, Wei S, Ojesina AI, **Rosenthal EL**, Yang ES. Notch Signaling Activation Is Associated with Patient Mortality and Increased FGF1-Mediated Invasion in Squamous Cell Carcinoma of the Oral Cavity. *Mol Cancer Res.* 2016 Sep;14(9):883-91. doi: 10.1158/1541-7786.MCR-16-0114. Epub 2016 Jun 27. PMID: 27353029.
163. Sweeny L, **Rosenthal EL**, Clemons L, Stevens TM, Cook McIntosh ER, Carroll WR. Outcomes after surgical salvage for recurrent oropharyngeal squamous cell carcinoma. *Oral Oncol.* 2016 Sep;60:118-24. doi: 10.1016/j.oraloncology.2016.07.006. Epub 2016 Jul 21. PMID: 27531882.
164. Day KE, Carroll WR, **Rosenthal EL**. Parotid gland metastasis in Merkel cell carcinoma of the head and neck: A series of 14 cases. *Ear Nose Throat J.* 2016 Sep;95(9):398-404. PMID: 27657318.



**Publications and Presentations: Articles in refereed journals (con't)**

165. Bhattacharyya S, Patel N, Wei L, Riffle LA, Kalen JD, Hill GC, Jacobs PM, Zinn KR, **Rosenthal EL**. Synthesis and biological evaluation of panitumumab–IRDye800 conjugate as a fluorescence imaging probe for EGFR-expressing cancers. *Med Chem Commun*. 2016 Sep;5(9):1337-1346.
166. Sweeny L, Prince A, Patel N, Moore LS, **Rosenthal EL**, Hughley BB, Warram JM. Antiangiogenic antibody improves melanoma detection by fluorescently labeled therapeutic antibodies. *Laryngoscope*. 2016 Dec;126(12):E387-E395. doi: 10.1002/lary.26215. Epub 2016 Aug 31. PMID: 27576611; PMCID: PMC5121084.
167. Weaver AN, Cooper TS, Wei S, Carroll WR, **Rosenthal EL**, Yang ES. DNA-Pk<sub>CS</sub> expression in oropharyngeal squamous cell carcinoma: Correlations with human papillomavirus status and recurrence after transoral robotic surgery. *Head Neck*. 2017 Feb;39(2):206-214. doi: 10.1002/hed.24562. Epub 2016 Aug 10. PMID: 27507640.
168. Moore LS, **Rosenthal EL**, Chung TK, de Boer E, Patel N, Prince AC, Korb ML, Walsh EM, Young ES, Stevens TM, Withrow KP, Morlandt AB, Richman JS, Carroll WR, Zinn KR, Warram JM. Characterizing the Utility and Limitations of Repurposing an Open-Field Optical Imaging Device for Fluorescence-Guided Surgery in Head and Neck Cancer Patients. *J Nucl Med*. 2017 Feb;58(2):246-251. doi: 10.2967/jnumed.115.171413. Epub 2016 Sep 1. PMID: 27587708; PMCID: PMC5288741.
169. Schoppa DW, Ma Y, Rhoads KF, Chen MM, Nussenbaum B, Orosco RK, **Rosenthal EL**, Divi V. Association of surgical quality metrics and hospital-level overall survival for patients with head and neck squamous cell carcinoma. *J Clin Oncol*. 2017 Mar; 35(8): S206.
170. Sweeny L, **Rosenthal EL**, Light T, Grayson J, Petrisor D, Troob SH, Greene BJ, Carroll WR, Wax MK. Effect of Overlapping Operations on Outcomes in Microvascular Reconstructions of the Head and Neck. *Otolaryngol Head Neck Surg*. 2017 Apr;156(4):627-635. doi: 10.1177/0194599817691746. Epub 2017 Mar 21. PMID: 28322117.
171. Tummers WS, Warram JM, Tipirneni KE, Fengler J, Jacobs P, Shankar L, Henderson L, Ballard B, Pfefer TJ, Pogue BW, Weichert JP, Bouvet M, Sorger J, Contag CH, Frangioni JV, Tweedle MF, Basilion JP, Gambhir SS, **Rosenthal EL**. Regulatory Aspects of Optical Methods and Exogenous Targets for Cancer Detection. *Cancer Res*. 2017 May 1;77(9):2197-2206. doi: 10.1158/0008-5472.CAN-16-3217. Epub 2017 Apr 20. Erratum in: *Cancer Res*. 2018 Feb 15;78(4):1123. PMID: 28428283; PMCID: PMC5567809.
172. Ramesh T, Moore LS, Patel N, Tipirneni K, Warram JM, Richter JR, Walsh EM, Aaron GP, Morlandt AB, Hughley BB, **Rosenthal EL**. Effects of Neoadjuvant Chemotherapy and Radiotherapy on Flap Perfusion in a Novel Mouse Model Using Standard Clinical Assessment and Near-Infrared Fluorescence Angiography. *Arch Otolaryngol Rhinol*. 2017 May;3(2):38-42.
173. Zhang RR, Schroeder AB, Grudzinski JJ, **Rosenthal EL**, Warram JM, Pinchuk AN, Eliceiri KW, Kuo JS, Weichert JP. Beyond the margins: real-time detection of cancer using targeted fluorophores. *Nat Rev Clin Oncol*. 2017 Jun;14(6):347-364. doi: 10.1038/nrclinonc.2016.212. Epub 2017 Jan 17. PMID: 28094261; PMCID: PMC5683405.
174. Harmsen S, Teraphongphom N, Tweedle MF, Basilion JP, **Rosenthal EL**. Optical Surgical Navigation for Precision in Tumor Resections. *Mol Imaging Biol*. 2017 Jun;19(3):357-362. doi: 10.1007/s11307-017-1054-1. PMID: 28271367; PMCID: PMC5567813.
175. Tipirneni KE, Warram JM, Moore LS, Prince AC, de Boer E, Jani AH, Wapnir IL, Liao JC, Bouvet M, Behnke NK, Hawn MT, Poultsides GA, Vahrmeijer AL, Carroll WR, Zinn KR,

**Publications and Presentations: Articles in refereed journals (con't)**

- Rosenthal E.** Oncologic Procedures Amenable to Fluorescence-guided Surgery. *Ann Surg.* 2017 Jul;266(1):36-47. doi: 10.1097/SLA.0000000000002127. PMID: 28045715; PMCID: PMC6280663.
176. Bosmia AN, Zimmermann TM, Griessenauer CJ, Shane Tubbs R, **Rosenthal EL.** Nasal Myiasis in Hinduism and Contemporary Otorhinolaryngology. *J Relig Health.* 2017 Aug;56(4):1263-1281. doi: 10.1007/s10943-013-9817-8. PMID: 24385004.
177. Moore LS, **Rosenthal EL,** de Boer E, Prince AC, Patel N, Richman JM, Morlandt AB, Carroll WR, Zinn KR, Warram JM. Effects of an Unlabeled Loading Dose on Tumor-Specific Uptake of a Fluorescently Labeled Antibody for Optical Surgical Navigation. *Mol Imaging Biol.* 2017 Aug;19(4):610-616. doi: 10.1007/s11307-016-1022-1. PMID: 27830425; PMCID: PMC5679006.
178. Partington EJ, Moore LS, Kahmke R, Warram JM, Carroll W, **Rosenthal EL,** Greene BJ. Laser-Assisted Indocyanine Green Dye Angiography for Postoperative Fistulas After Salvage Laryngectomy. *JAMA Otolaryngol Head Neck Surg.* 2017 Aug 1;143(8):775-781. doi: 10.1001/jamaoto.2017.0187. PMID: 28520896; PMCID: PMC5710566.
179. Chen MM, Orosco RK, Harris JP, Porter JB, **Rosenthal EL,** Hara W, Divi V. Predictors of readmissions after head and neck cancer surgery: A national perspective. *Oral Oncol.* 2017 Aug;71:106-112. doi: 10.1016/j.oraloncology.2017.06.010. PMID: 28688676.
180. Porter JB, **Rosenthal EL,** Winget M, Smith AS, Seshadri SB, Vetteth Y, Kiamanesh EF, Badwe A, Advani RH, Buyyounouski MK, Coutre S, Dirbas F, Divi V, Dorigo O, Ganjoo KN, Johnston LJ, Recht LD, Shrager JB, Skinner EC, Swetter SM, Visser BC, Blayney DW. Improving Care With a Portfolio of Physician-Led Cancer Quality Measures at an Academic Center. *J Oncol Pract.* 2017 Aug;13(8):e673-e682. doi: 10.1200/JOP.2017.021139. Epub 2017 Jul 20. PMID: 28727487; PMCID: PMC5880618.
181. **Rosenthal EL,** Moore LS, Tipirneni K, de Boer E, Stevens TM, Hartman YE, Carroll WR, Zinn KR, Warram JM. Sensitivity and Specificity of Cetuximab-IRDye800CW to Identify Regional Metastatic Disease in Head and Neck Cancer. *Clin Cancer Res.* 2017 Aug 15;23(16):4744-4752. doi: 10.1158/1078-0432.CCR-16-2968. Epub 2017 Apr 26. PMID: 28446503; PMCID: PMC5595145.
182. Connolly TM, Sweeny L, Greene B, Morlandt A, Carroll WR, **Rosenthal EL.** Reconstruction of midface defects with the osteocutaneous radial forearm flap: Evaluation of long term outcomes including patient reported quality of life. *Microsurgery.* 2017 Oct;37(7):752-762. doi: 10.1002/micr.30201. Epub 2017 Aug 26. PMID: 28843005.
183. Tipirneni KE, **Rosenthal EL,** Moore LS, Haskins AD, Udayakumar N, Jani AH, Carroll WR, Morlandt AB, Bogyo M, Rao J, Warram JM. Fluorescence Imaging for Cancer Screening and Surveillance. *Mol Imaging Biol.* 2017 Oct;19(5):645-655. doi: 10.1007/s11307-017-1050-5. PMID: 28155079.
184. Teraphongphom N, Kong CS, Warram JM, **Rosenthal EL.** Specimen mapping in head and neck cancer using fluorescence imaging. *Laryngoscope Invest Otolaryngol.* 2017 Oct 16;2(6):447-452. doi: 10.1002/lio2.84. PMID: 29299522; PMCID: PMC5743163.
185. Schoppy DW, Rhoads KF, Ma Y, Chen MM, Nussenbaum B, Orosco RK, **Rosenthal EL,** Divi V. Measuring Institutional Quality in Head and Neck Surgery Using Hospital-Level Data: Negative Margin Rates and Neck Dissection Yield. *JAMA Otolaryngol Head Neck Surg.* 2017

**Publications and Presentations: Articles in refereed journals (con't)**

- Nov 1;143(11):1111-1116. doi: 10.1001/jamaoto.2017.1694. PMID: 28983555; PMCID: PMC5710350.
186. Prince AC, Jani A, Korb M, Tipirneni KE, Kasten BB, **Rosenthal EL**, Warram JM. Characterizing the detection threshold for optical imaging in surgical oncology. *J Surg Oncol*. 2017 Dec;116(7):898-906. doi: 10.1002/jso.24733. Epub 2017 Jun 19. PMID: 28628728; PMCID: PMC5711545.
187. Bogyo M, Yim JJ, **Rosenthal EL**. New Blood Test SEEKS To Detect and Localize Cancer before It's Too Late. *Biochemistry*. 2018 Mar 13;57(10):1561-1562. doi: 10.1021/acs.biochem.8b00179. Epub 2018 Feb 28. PMID: 29489339.
188. Wu C, Gleysteen J, Teraphongphom NT, Li Y, **Rosenthal E**. In-vivo optical imaging in head and neck oncology: basic principles, clinical applications and future directions. *Int J Oral Sci*. 2018 Mar 18;10(2):10. doi: 10.1038/s41368-018-0011-4. PMID: 29555901; PMCID: PMC5944254.
189. Gao RW, Teraphongphom N, de Boer E, van den Berg NS, Divi V, Kaplan MJ, Oberhelman NJ, Hong SS, Capes E, Colevas AD, Warram JM, **Rosenthal EL**. Safety of panitumumab-IRDye800CW and cetuximab-IRDye800CW for fluorescence-guided surgical navigation in head and neck cancers. *Theranostics*. 2018 Mar 28;8(9):2488-2495. doi: 10.7150/thno.24487. PMID: 29721094; PMCID: PMC5928904.
190. Prince AC, McGee AS, Siegel H, **Rosenthal EL**, Behnke NK, Warram JM. Evaluation of fluorescence-guided surgery agents in a murine model of soft tissue fibrosarcoma. *J Surg Oncol*. 2018 May;117(6):1179-1187. doi: 10.1002/jso.24950. Epub 2017 Dec 28. PMID: 29284070.
191. Prince AC, Moore LS, Tipirneni KE, Ramesh T, Limdi MA, Bevans SL, Walsh EM, Greene B, **Rosenthal EL**, Warram JM. Evaluation of optical imaging agents in a fluorescence-guided surgical model of head and neck cancer. *Surg Oncol*. 2018 Jun;27(2):225-230. doi: 10.1016/j.suronc.2018.04.004. Epub 2018 Apr 26. PMID: 29937175; PMCID: PMC6072276.
192. Divi V, Chen MM, Hara W, Shah D, Narvasa K, Segura Smith A, Kelley J, **Rosenthal EL**, Porter J. Reducing the Time from Surgery to Adjuvant Radiation Therapy: An Institutional Quality Improvement Project. *Otolaryngol Head Neck Surg*. 2018 Jul;159(1):158-165. doi: 10.1177/0194599818768254. Epub 2018 Apr 10. PMID: 29631478.
193. Tummers WS, Miller SE, Teraphongphom NT, Gomez A, Steinberg I, Huland DM, Hong S, Kothapalli SR, Hasan A, Ertsey R, Bonsing BA, Vahrmeijer AL, Swijnenburg RJ, Longacre TA, Fisher GA, Gambhir SS, Poultsides GA, **Rosenthal EL**. Intraoperative Pancreatic Cancer Detection using Tumor-Specific Multimodality Molecular Imaging. *Ann Surg Oncol*. 2018 Jul;25(7):1880-1888. doi: 10.1245/s10434-018-6453-2. Epub 2018 Apr 17. PMID: 29667116; PMCID: PMC5977989.
194. Miller SE, Tummers WS, Teraphongphom N, van den Berg NS, Hasan A, Ertsey RD, Nagpal S, Recht LD, Plowey ED, Vogel H, Harsh GR, Grant GA, Li GH, **Rosenthal EL**. First-in-human intraoperative near-infrared fluorescence imaging of glioblastoma using cetuximab-IRDye800. *J Neurooncol*. 2018 Aug;139(1):135-143. doi: 10.1007/s11060-018-2854-0. Epub 2018 Apr 6. PMID: 29623552; PMCID: PMC6031450.
195. Gao RW, Nuyen BA, Divi V, Sirjani D, **Rosenthal EL**. Outcomes in Head and Neck Resections That Require Multiple-Flap Reconstructions: A Systematic Review. *JAMA*

**Publications and Presentations: Articles in refereed journals (con't)**

- Otolaryngol Head Neck Surg.* 2018 Aug 1;144(8):746-752. doi: 10.1001/jamaoto.2018.0835. PMID: 29978196.
196. Gao RW, Teraphongphom NT, van den Berg NS, Martin BA, Oberhelman NJ, Divi V, Kaplan MJ, Hong SS, Lu G, Ertsey R, Tummers WSFJ, Gomez AJ, Holsinger FC, Kong CS, Colevas AD, Warram JM, **Rosenthal EL**. Determination of Tumor Margins with Surgical Specimen Mapping Using Near-Infrared Fluorescence. *Cancer Res.* 2018 Sep 1;78(17):5144-5154. doi: 10.1158/0008-5472.CAN-18-0878. Epub 2018 Jul 2. PMID: 29967260; PMCID: PMC6125224.
197. Alam IS, Steinberg I, Vermesh O, van den Berg NS, **Rosenthal EL**, van Dam GM, Ntziachristos V, Gambhir SS, Hernot S, Rogalla S. Emerging Intraoperative Imaging Modalities to Improve Surgical Precision. *Mol Imaging Biol.* 2018 Oct;20(5):705-715. doi: 10.1007/s11307-018-1227-6. PMID: 29916118.
198. Pogue BW, **Rosenthal EL**, Achilefu S, van Dam GM. Perspective review of what is needed for molecular-specific fluorescence-guided surgery. *J Biomed Opt.* 2018 Oct;23(10):1-9. doi: 10.1117/1.JBO.23.10.100601. PMID: 30291698; PMCID: PMC6210787.
199. Tummers WS, Warram JM, van den Berg NS, Miller SE, Swijnenburg RJ, Vahrmeijer AL, **Rosenthal EL**. Recommendations for reporting on emerging optical imaging agents to promote clinical approval. *Theranostics.* 2018 Oct 22;8(19):5336-5347. doi: 10.7150/thno.27384. PMID: 30555550; PMCID: PMC6276089.
200. Tummers WS, **Rosenthal EL**, Vahrmeijer AL, Poultides GA. ASO Author Reflections: Fluorescent-Guided Surgery to Augment Pancreatic Cancer Surgery. *Ann Surg Oncol.* 2018 Dec;25(Suppl 3):820-821. doi: 10.1245/s10434-018-6904-9. Epub 2018 Oct 12. Erratum in: *Ann Surg Oncol.* 2018 Nov 13;: PMID: 30315384; PMCID: PMC6333482.
201. Tummers WS, **Rosenthal EL**, Vahrmeijer AL, Poultides GA. Correction to: ASO Author Reflections: Fluorescent-Guided Surgery to Augment Pancreatic Cancer Surgery. *Ann Surg Oncol.* 2018 Dec;25(Suppl 3):999. doi: 10.1245/s10434-018-7065-6. Erratum for: *Ann Surg Oncol.* 2018 Dec;25(Suppl 3):820-821. PMID: 30426262.
202. Microvascular Committee of the American Academy of Otolaryngology-Head & Neck Surgery\*. Salvage laryngectomy and laryngopharyngectomy: Multicenter review of outcomes associated with a reconstructive approach. *Head Neck.* 2019 Jan;41(1):16-29. doi: 10.1002/hed.25192. Epub 2018 Dec 3. PMID: 30508265.
203. van Keulen S, van den Berg NS, Nishio N, Birkeland A, Zhou Q, Lu G, Wang HW, Middendorf L, Forouzanfar T, Martin BA, Colevas AD, **Rosenthal EL**. Rapid, non-invasive fluorescence margin assessment: Optical specimen mapping in oral squamous cell carcinoma. *Oral Oncol.* 2019 Jan;88:58-65. doi: 10.1016/j.oraloncology.2018.11.012. Epub 2018 Nov 21. PMID: 30616798; PMCID: PMC6530934.
204. Prince AC, Patel NG, Moore LS, McGee AS, Ahn JC, Willey CD, Carroll WR, **Rosenthal EL**, Warram JM. Adjuvant anti-angiogenic therapy enhances chemotherapeutic uptake in a murine model of head and neck cancer. *J Drug Target.* 2019 Feb;27(2):193-200. doi: 10.1080/1061186X.2018.1497040. Epub 2018 Aug 20. PMID: 29972342.
205. Sweeny L, **Rosenthal EL**, Light T, Grayson J, Petrisor D, Troob SH, Greene BJ, Carroll WR, Wax MK. Outcomes and cost implications of microvascular reconstructions of the head and neck. *Head Neck.* 2019 Apr;41(4):930-939. doi: 10.1002/hed.25424. Epub 2019 Feb 9. PMID: 30737964.



**Publications and Presentations: Articles in refereed journals (con't)**

206. Chen MM, Megwalu UC, Liew J, Sirjani D, **Rosenthal EL**, Divi V. Regionalization of head and neck cancer surgery may fragment care and impact overall survival. *Laryngoscope*. 2019 Jun;129(6):1413-1419. doi: 10.1002/lary.27440. Epub 2018 Aug 27. PMID: 30152007.
207. Behbahani TE, **Rosenthal EL**, Parker WB, Sorscher EJ. Intratumoral generation of 2-fluoroadenine to treat solid malignancies of the head and neck. *Head Neck*. 2019 Jun;41(6):1979-1983. doi: 10.1002/hed.25627. Epub 2019 Jan 11. PMID: 30633420; PMCID: PMC6531318.
208. van Keulen S, Nishio N, Fakurnejad S, Birkeland A, Martin BA, Lu G, Zhou Q, Chirita SU, Forouzanfar T, Colevas AD, van den Berg NS, **Rosenthal EL**. The Clinical Application of Fluorescence-Guided Surgery in Head and Neck Cancer. *J Nucl Med*. 2019 Jun;60(6):758-763. doi: 10.2967/jnumed.118.222810. Epub 2019 Feb 7. PMID: 30733319; PMCID: PMC6581234.
209. Kiss B, van den Berg NS, Ertsey R, McKenna K, Mach KE, Zhang CA, Volkmer JP, Weissman IL, **Rosenthal EL**, Liao JC. CD47-Targeted Near-Infrared Photoimmunotherapy for Human Bladder Cancer. *Clin Cancer Res*. 2019 Jun 15;25(12):3561-3571. doi: 10.1158/1078-0432.CCR-18-3267. Epub 2019 Mar 19. PMID: 30890547; PMCID: PMC7039531.
210. Walsh EM, Cole D, Tipirneni KE, Bland KI, Udayakumar N, Kasten BB, Bevans SL, McGrew BM, Kain JJ, Nguyen QT, **Rosenthal EL**, Warram JM. Fluorescence Imaging of Nerves During Surgery. *Ann Surg*. 2019 Jul;270(1):69-76. doi: 10.1097/SLA.0000000000003130. PMID: 30649014.
211. Tummers WS, Miller SE, Teraphongphom NT, van den Berg NS, Hasan A, Longacre TA, Fisher GA, Bonsing BA, Vahrmeijer AL, Gambhir SS, Swijnenburg RJ, **Rosenthal EL**, Poultides GA. Detection of visually occult metastatic lymph nodes using molecularly targeted fluorescent imaging during surgical resection of pancreatic cancer. *HPB (Oxford)*. 2019 Jul;21(7):883-890. doi: 10.1016/j.hpb.2018.11.008. Epub 2019 Feb 2. PMID: 30723062.
212. van Keulen S, Nishio N, Birkeland A, Fakurnejad S, Martin B, Forouzanfar T, Cunanan K, Colevas AD, S van den Berg N, **Rosenthal E**. The Sentinel Margin: Intraoperative Ex Vivo Specimen Mapping Using Relative Fluorescence Intensity. *Clin Cancer Res*. 2019 Aug 1;25(15):4656-4662. doi: 10.1158/1078-0432.CCR-19-0319. Epub 2019 May 29. PMID: 31142505; PMCID: PMC7021202.
213. Chen MM, **Rosenthal EL**, Divi V. End-of-Life Costs and Hospice Utilization in Patients with Head and Neck Cancer. *Otolaryngol Head Neck Surg*. 2019 Sep;161(3):439-441. doi: 10.1177/0194599819846072. Epub 2019 Apr 23. PMID: 31013209.
214. Tabata MM, **Rosenthal EL**, Arbaugh CJ, Kin C, Kim E, Graham LA, Hawn MT. Trends in the Inclusion of Black and Female Surgeons in Invited Visiting Professorships. *JAMA Surg*. 2019 Sep 1;154(9):878-879. doi: 10.1001/jamasurg.2019.2137. PMID: 31290945; PMCID: PMC6624810.
215. Bur AM, Cannady SB, Patel UA, **Rosenthal EL**, Wax MK. Head and Neck Reconstruction: Does Surgical Specialty Affect Complication Rates? *J Reconstr Microsurg*. 2019 Sep;35(7):e1-e2. doi: 10.1055/s-0039-3400236. Epub 2019 Nov 13. PMID: 31724132.
216. Fakurnejad S, van Keulen S, Nishio N, Engelen M, van den Berg NS, Lu G, Birkeland A, Baik F, Colevas AD, **Rosenthal EL**, Martin BA. Fluorescence molecular imaging for identification of high-grade dysplasia in patients with head and neck cancer. *Oral Oncol*. 2019 Oct;97:50-55.

**Publications and Presentations: Articles in refereed journals (con't)**

- doi: 10.1016/j.oraloncology.2019.08.008. Epub 2019 Aug 12. PMID: 31421471; PMCID: PMC6907742.
217. Karimi Y, Divi V, Srinivas S, Smith AS, Hansen J, Tokareva I, Tulu Z, Hedlin H, Fronk J, **Rosenthal EL**, Blayney DW. Impact of mortality reviews on supportive care utilization, end-of-life care, and inpatient mortality. *Journal of Clinical Oncology*. 2019 Nov 1; 37(31\_suppl): 45. DOI: 10.1200/JCO.2019.37.31\_suppl.45.
218. Nishio N, van den Berg NS, van Keulen S, Martin BA, Fakurnejad S, Teraphongphom N, Chirita SU, Oberhelman NJ, Lu G, Horton CE, Kaplan MJ, Divi V, Colevas AD, **Rosenthal EL**. Optical molecular imaging can differentiate metastatic from benign lymph nodes in head and neck cancer. *Nat Commun*. 2019 Nov 6;10(1):5044. doi: 10.1038/s41467-019-13076-7. PMID: 31695030; PMCID: PMC6834597.
219. van Keulen S, Nishio N, Fakurnejad S, van den Berg NS, Lu G, Birkeland A, Martin BA, Forouzanfar T, Colevas AD, **Rosenthal EL**. Intraoperative Tumor Assessment Using Real-Time Molecular Imaging in Head and Neck Cancer Patients. *J Am Coll Surg*. 2019 Dec;229(6):560-567.e1. doi: 10.1016/j.jamcollsurg.2019.09.007. Epub 2019 Sep 27. PMID: 31568855.
220. Lee JYK, Cho SS, Stummer W, Tanyi JL, Vahrmeijer AL, **Rosenthal E**, Smith B, Henderson E, Roberts DW, Lee A, Hadjipanayis CG, Bruce JN, Newman JG, Singhal S. Review of clinical trials in intraoperative molecular imaging during cancer surgery. *J Biomed Opt*. 2019 Dec;24(12):1-8. doi: 10.1117/1.JBO.24.12.120901. PMID: 31808327; PMCID: PMC7005471.
221. Kain JJ, Birkeland AC, Udayakumar N, Morlandt AB, Stevens TM, Carroll WR, **Rosenthal EL**, Warram JM. Surgical margins in oral cavity squamous cell carcinoma: Current practices and future directions. *Laryngoscope*. 2020 Jan;130(1):128-138. doi: 10.1002/lary.27943. Epub 2019 Apr 26. PMID: 31025711.
222. Nishio N, van Keulen S, van den Berg NS, Lu G, LaRochelle EP, Davis SC, Martin BA, Fakurnejad S, Zhou Q, Birkeland AC, Kaplan MJ, Divi V, Colevas AD, Pogue BW, **Rosenthal EL**. Probe-based fluorescence dosimetry of an antibody-dye conjugate to identify head and neck cancer as a first step to fluorescence-guided tissue preselection for pathological assessment. *Head Neck*. 2020 Jan;42(1):59-66. doi: 10.1002/hed.25964. Epub 2019 Oct 1. PMID: 31571335.
223. Winget M, Holdsworth L, Wang S, Veruttipong D, Zionts D, **Rosenthal EL**, Asch SM. Effectiveness of a Lay Navigation Program in an Academic Cancer Center. *JCO Oncol Pract*. 2020 Jan;16(1):e75-e83. doi: 10.1200/JOP.19.00337. Epub 2019 Oct 24. PMID: 31647691.
224. Holdsworth LM, Zionts D, Wang S, Veruttipong D, Brown-Johnson C, Asch SM, **Rosenthal EL**, Winget M. Negotiating Lay and Clinical Issues: Implementing a Lay Navigation Program in Cancer Care. *JCO Oncol Pract*. 2020 Jan;16(1):e84-e91. doi: 10.1200/JOP.19.00339. Epub 2019 Nov 6. PMID: 31693450.
225. Fakurnejad S, Krishnan G, van Keulen S, Nishio N, Birkeland AC, Baik FM, Kaplan MJ, Colevas AD, van den Berg NS, **Rosenthal EL**, Martin BA. Intraoperative Molecular Imaging for *ex vivo* Assessment of Peripheral Margins in Oral Squamous Cell Carcinoma. *Front Oncol*. 2020 Jan 10;9:1476. doi: 10.3389/fonc.2019.01476. PMID: 31998640; PMCID: PMC6965069.
226. Nishio N, van den Berg NS, van Keulen S, Martin BA, Fakurnejad S, Zhou Q, Lu G, Chirita SU, Kaplan MJ, Divi V, Colevas AD, **Rosenthal EL**. Optimal Dosing Strategy for Fluorescence-Guided Surgery with Panitumumab-IRDye800CW in Head and Neck Cancer. *Mol Imaging Biol*.

**Publications and Presentations: Articles in refereed journals (con't)**

- 2020 Feb;22(1):156-164. doi: 10.1007/s11307-019-01358-x. PMID: 31054001; PMCID: PMC7017887.
227. Sweeny L, Topf M, Wax MK, **Rosenthal EL**, Greene BJ, Heffelfinger R, Krein H, Luginbuhl A, Petrisor D, Troob SH, Hughley B, Hong S, Zhan T, Curry J. Shift in the timing of microvascular free tissue transfer failures in head and neck reconstruction. *Laryngoscope*. 2020 Feb;130(2):347-353. doi: 10.1002/lary.28177. Epub 2019 Jul 9. PMID: 31287566.
228. Gao RW, Dugala A, Maxwell J, Falconer P, Birkeland AC, Divi V, **Rosenthal EL**. Effect of Medical Scribes on Outpatient Oncology Visits at a Multidisciplinary Cancer Center. *JCO Oncol Pract*. 2020 Feb;16(2):e139-e147. doi: 10.1200/JOP.19.00307. Epub 2019 Dec 5. PMID: 31804877.
229. Lu G, **Rosenthal EL**. Translating a fluorescent DNA-repair inhibitor. *Nat Biomed Eng*. 2020 Mar;4(3):247-249. doi: 10.1038/s41551-020-0537-6. PMID: 32165734.
230. Loewke NO, Qiu Z, Mandella MJ, Ertsey R, Loewke A, Gunaydin LA, **Rosenthal EL**, Contag CH, Solgaard O. Software-Based Phase Control, Video-Rate Imaging, and Real-Time Mosaicing With a Lissajous-Scanned Confocal Microscope. *IEEE Trans Med Imaging*. 2020 Apr;39(4):1127-1137. doi: 10.1109/TMI.2019.2942552. Epub 2019 Sep 27. PMID: 31567074.
231. Roy M, Neal JW, Bugos K, Sharp C, Falconer P, **Rosenthal EL**, Blayney DW, Modaresi S, Robinson A, Ramchandran K. Distress screening through PROMIS at an academic cancer center and network site: Implementation of a hybrid model. *Journal of Clinical Oncology*. 2020 May 25; 38(15 suppl). DOI: 10.1200/JCO.2020.38.15\_suppl.2021.
232. Kasten BB, Jiang K, Cole D, Jani A, Udayakumar N, Gillespie GY, Lu G, Dai T, **Rosenthal EL**, Markert JM, Rao J, Warram JM. Targeting MMP-14 for dual PET and fluorescence imaging of glioma in preclinical models. *Eur J Nucl Med Mol Imaging*. 2020 Jun;47(6):1412-1426. doi: 10.1007/s00259-019-04607-x. Epub 2019 Nov 26. PMID: 31773232; PMCID: PMC7968515.
233. Lu G, Fakurnejad S, Martin BA, van den Berg NS, van Keulen S, Nishio N, Zhu AJ, Chirita SU, Zhou Q, Gao RW, Kong CS, Fischbein N, Penta M, Colevas AD, **Rosenthal EL**. Predicting Therapeutic Antibody Delivery into Human Head and Neck Cancers. *Clin Cancer Res*. 2020 Jun 1;26(11):2582-2594. doi: 10.1158/1078-0432.CCR-19-3717. Epub 2020 Jan 24. PMID: 31980465.
234. Topf MC, Shenson JA, Holsinger FC, Wald SH, Cianfichi LJ, **Rosenthal EL**, Sunwoo JB. Framework for prioritizing head and neck surgery during the COVID-19 pandemic. *Head Neck*. 2020 Jun;42(6):1159-1167. doi: 10.1002/hed.26184. Epub 2020 May 6. PMID: 32298036; PMCID: PMC7262168.
235. Lu G, van den Berg NS, Martin BA, Nishio N, Hart ZP, van Keulen S, Fakurnejad S, Chirita SU, Raymundo RC, Yi G, Zhou Q, Fisher GA, **Rosenthal EL**, Poultides GA. Tumour-specific fluorescence-guided surgery for pancreatic cancer using panitumumab-IRDye800CW: a phase 1 single-centre, open-label, single-arm, dose-escalation study. *Lancet Gastroenterol Hepatol*. 2020 Aug;5(8):753-764. doi: 10.1016/S2468-1253(20)30088-1. Epub 2020 May 14. PMID: 32416764; PMCID: PMC7367758.
236. Morlandt AB, Moore LS, Johnson AO, Smith CM, Stevens TM, Warram JM, MacDougall M, **Rosenthal EL**, Amm HM. Fluorescently Labeled Cetuximab-IRDye800 for Guided Surgical Excision of Ameloblastoma: A Proof of Principle Study. *J Oral Maxillofac Surg*. 2020



**Publications and Presentations: Articles in refereed journals (con't)**

- Oct;78(10):1736-1747. doi: 10.1016/j.joms.2020.05.022. Epub 2020 May 19. PMID: 32554066; PMCID: PMC7541684.
237. Vukkadala N, **Rosenthal E**, Patel ZM. In Response to COVID-19 and the Otolaryngologist: Preliminary Evidence-Based Review. *Laryngoscope*. 2020 Oct;130(10):E526. doi: 10.1002/lary.28770. Epub 2020 Jun 2. PMID: 32484933; PMCID: PMC7300673.
238. Vukkadala N, Qian ZJ, Holsinger FC, Patel ZM, **Rosenthal E**. COVID-19 and the Otolaryngologist: Preliminary Evidence-Based Review. *Laryngoscope*. 2020 Nov;130(11):2537-2543. doi: 10.1002/lary.28672. Epub 2020 Apr 24. PMID: 32219846.
239. Zhou Q, van den Berg N, Nishio N, Lu G, Chirita S, Raymundo R, Yi G, Vogel H, Cayrol R, **Rosenthal EL**, Li G. CTNI-42. First-in-human fluorescence guided surgery of high-grade gliomas using panitumumab-IRDYE800. *Neuro-Oncology*. 2020 Nov. Volume 22, Issue Supplement\_2, Pages ii51–ii52, <https://doi.org/10.1093/neuonc/noaa215.208>.
240. Lu G, Nishio N, van den Berg NS, Martin BA, Fakurnejad S, van Keulen S, Colevas AD, Thurber GM, **Rosenthal EL**. Co-administered antibody improves penetration of antibody-dye conjugate into human cancers with implications for antibody-drug conjugates. *Nat Commun*. 2020 Nov 9;11(1):5667. doi: 10.1038/s41467-020-19498-y. PMID: 33168818; PMCID: PMC7652891.
241. Goodyer WR, Beyersdorf B, van den Berg NS, Puluca N, Buikema J, Lee S, Salmi D, Robinson E, Rogalla S, Chubb H, Motonaga K, Ceresnak SR, Dubin AM, **Rosenthal EL**, Wu SM. Abstract 16226: Single-cell RNA Sequencing Coupled with Optimal Imaging for Targeted Real-time Visualization of the Cardiac Conduction System. *Circulation*. 2020 Nov 12. 142:A16226.
242. Hettie KS, Teraphongphom NT, Ertsey RD, **Rosenthal EL**, Chin FT. Targeting intracranial patient-derived glioblastoma (GBM) with a NIR-I fluorescent immunoconjugate for facilitating its image-guided resection. *RSC Adv*. 2020 Nov 22;10(69):42413-42422. doi: 10.1039/d0ra07245a. Epub 2020 Nov 23. PMID: 33391732; PMCID: PMC7747479.
243. Hart ZP, Nishio N, Krishnan G, Lu G, Zhou Q, Fakurnejad S, Wormald PJ, van den Berg NS, **Rosenthal EL**, Baik FM. Endoscopic Fluorescence-Guided Surgery for Sinonasal Cancer Using an Antibody-Dye Conjugate. *Laryngoscope*. 2020 Dec;130(12):2811-2817. doi: 10.1002/lary.28483. Epub 2019 Dec 19. PMID: 31854462; PMCID: PMC7754277.
244. Pei J, Juniper G, van den Berg NS, Nishio N, Broadt T, Welch AR, Yi GS, Raymundo RC, Chirita SU, Lu G, Krishnan G, Lee YJ, Kapoor S, Zhou Q, Colevas AD, Lui NS, Poultsides GA, Li G, Zinn KR, **Rosenthal EL**. Safety and Stability of Antibody-Dye Conjugate in Optical Molecular Imaging. *Mol Imaging Biol*. 2021 Feb;23(1):109-116. doi: 10.1007/s11307-020-01536-2. Epub 2020 Sep 3. PMID: 32880818.
245. Sweeny L, Mayland E, Swendseid BP, Curry JM, Kejner AE, Thomas CM, Kain JJ, Cannady SB, Tasche K, **Rosenthal EL**, DiLeo M, Luginbuhl AJ, Theeuwes H, Sarwary JR, Petrisor D, Wax MK. Microvascular Reconstruction of Osteonecrosis: Assessment of Long-term Quality of Life. *Otolaryngol Head Neck Surg*. 2021 Feb 23:194599821990682. doi: 10.1177/0194599821990682. Epub ahead of print. PMID: 33618563.
246. Lee YJ, Krishnan G, Nishio N, van den Berg NS, Lu G, Martin BA, van Keulen S, Colevas AD, Kapoor S, Liu JTC, **Rosenthal EL**. Intraoperative Fluorescence-Guided Surgery in Head and

**Publications and Presentations: Articles in refereed journals (con't)**

- Neck Squamous Cell Carcinoma. *Laryngoscope*. 2021 Mar;131(3):529-534. doi: 10.1002/lary.28822. Epub 2020 Jul 3. PMID: 33593036.
247. Pogue BW, **Rosenthal EL**. Review of successful pathways for regulatory approvals in open-field fluorescence-guided surgery. *J Biomed Opt*. 2021 Mar;26(3):030901. doi: 10.1117/1.JBO.26.3.030901. PMID: 33715318; PMCID: PMC7955139.
248. Zhou Q, Vega Leonel JCM, Santoso MR, Wilson C, van den Berg NS, Chan CT, Aryal M, Vogel H, Cayrol R, Mandella MJ, Schonig F, Lu G, Gambhir SS, Moseley ME, **Rosenthal EL**, Grant GA. Molecular imaging of a fluorescent antibody against epidermal growth factor receptor detects high-grade glioma. *Sci Rep*. 2021 Mar 11;11(1):5710. doi: 10.1038/s41598-021-84831-4. PMID: 33707521; PMCID: PMC7952570.
249. Kapoor S, Lu G, van den Berg NS, Krishnan G, Pei J, Zhou Q, Martin BA, Baik FM, **Rosenthal EL**, Nishio N. Effect of Formalin Fixation for Near-Infrared Fluorescence Imaging with an Antibody-Dye Conjugate in Head and Neck Cancer Patients. *Mol Imaging Biol*. 2021 Apr;23(2):270-276. doi: 10.1007/s11307-020-01553-1. Epub 2020 Oct 19. PMID: 33078373.
250. Lauwerends LJ, van Driel PBAA, Baatenburg de Jong RJ, Hardillo JAU, Koljenovic S, Puppels G, Mezzanotte L, Löwik CWGM, **Rosenthal EL**, Vahrmeijer AL, Keereweer S. Real-time fluorescence imaging in intraoperative decision making for cancer surgery. *Lancet Oncol*. 2021 May;22(5):e186-e195. doi: 10.1016/S1470-2045(20)30600-8. Epub 2021 Mar 23. PMID: 33765422.
251. Vukkadala N, **Rosenthal E**. In Reference to COVID-19 and the Otolaryngologist: Preliminary Evidence-based Review. *Laryngoscope*. 2021 May;131(5):E1461. doi: 10.1002/lary.29415. Epub 2021 Jan 31. PMID: 33521964; PMCID: PMC8013616.
252. Nishio N, van den Berg NS, Martin BA, van Keulen S, Fakurnejad S, **Rosenthal EL**, Wilson KE. Photoacoustic Molecular Imaging for the Identification of Lymph Node Metastasis in Head and Neck Cancer Using an Anti-EGFR Antibody-Dye Conjugate. *J Nucl Med*. 2021 May 10;62(5):648-655. doi: 10.2967/jnumed.120.245241. Epub 2020 Oct 2. PMID: 33008927.
253. Parikh DA, Ragavan MV, Srinivas S, Garrigues S, **Rosenthal EL**, Patel MI. Evolving oncology provider perspectives on care delivery during the COVID-19 pandemic. *Journal of Clinical Oncology*. 2021 May 20; 39(15 suppl):e18609-e18609.
254. Zhou Q, van den Berg NS, **Rosenthal EL**, Iv M, Zhang M, Vega Leonel JCM, Walters S, Nishio N, Granucci M, Raymundo R, Yi G, Vogel H, Cayrol R, Lee YJ, Lu G, Hom M, Kang W, Hayden Gephart M, Recht L, Nagpal S, Thomas R, Patel C, Grant GA, Li G. EGFR-targeted intraoperative fluorescence imaging detects high-grade glioma with panitumumab-IRDye800 in a phase 1 clinical trial. *Theranostics*. 2021 May 21;11(15):7130-7143. doi: 10.7150/thno.60582. PMID: 34158840; PMCID: PMC8210618.
255. Krishnan G, van den Berg NS, Nishio N, Juniper G, Pei J, Zhou Q, Lu G, Lee YJ, Ramos K, Iagaru AH, Baik FM, Colevas AD, Martin BA, **Rosenthal EL**. Metastatic and sentinel lymph node mapping using intravenously delivered Panitumumab-IRDye800CW. *Theranostics*. 2021 May 24;11(15):7188-7198. doi: 10.7150/thno.55389. PMID: 34158844; PMCID: PMC8210603.
256. Hom ME, **Rosenthal EL**. Fluorescence Imaging to Identify Occult and Ectopic Parathyroid Glands-Revealing the Unseen. *JAMA Otolaryngol Head Neck Surg*. 2021 Jul 1;147(7):671-672. doi: 10.1001/jamaoto.2021.0628. PMID: 33956090.

**Publications and Presentations: Articles in refereed journals (con't)**

257. Lee YJ, van den Berg NS, Orosco RK, **Rosenthal EL**, Sorger JM. A narrative review of fluorescence imaging in robotic-assisted surgery. *Laparosc Surg*. 2021 Jul;5:31. doi: 10.21037/ls-20-98. Epub 2021 Jul 25. PMID: 34549180; PMCID: PMC8452263.
258. Moreno-Nieves UY, Tay JK, Saumyaa S, Horowitz NB, Shin JH, Mohammad IA, Luca B, Mundy DC, Gulati GS, Bedi N, Chang S, Chen C, Kaplan MJ, **Rosenthal EL**, Holsinger FC, Divi V, Baik FM, Sirjani DB, Gentles AJ, Newman AM, Freud AG, Sunwoo JB. Landscape of innate lymphoid cells in human head and neck cancer reveals divergent NK cell states in the tumor microenvironment. *Proc Natl Acad Sci U S A*. 2021 Jul 13;118(28):e2101169118. doi: 10.1073/pnas.2101169118. PMID: 34244432; PMCID: PMC8285950.
259. Hom ME, **Rosenthal EL**, Varvares M. The Future of Fluorescent-Guided Surgery. *JAMA Otolaryngol Head Neck Surg*. 2021 Oct 1;147(10):920. doi: 10.1001/jamaoto.2021.1490. PMID: 34473214.
260. Neal JW, Roy M, Bugos K, Sharp C, Galatin PS, Falconer P, **Rosenthal EL**, Blayney DW, Modaressi S, Robinson A, Ramchandran K. Distress Screening Through Patient-Reported Outcomes Measurement Information System (PROMIS) at an Academic Cancer Center and Network Site: Implementation of a Hybrid Model. *JCO Oncol Pract*. 2021 Nov;17(11):e1688-e1697. doi: 10.1200/OP.20.00473. Epub 2021 Apr 8. PMID: 33830852.
261. Crawford KL, Pacheco FV, Lee YJ, Hom M, **Rosenthal EL**, Nguyen QT, Orosco RK. A Scoping Review of Ongoing Fluorescence-Guided Surgery Clinical Trials in Otolaryngology. *Laryngoscope*. 2022 Jan;132(1):36-44. doi: 10.1002/lary.29891. Epub 2021 Oct 11. PMID: 34633092.
262. Hicks MD, Ovatt AK, Fleming JC, Sorace AG, Song PN, Mansur A, Hartman Bs YE, **Rosenthal EL**, Warram JM, Thomas CM. Hyperintensity of integrin-targeted fluorescence agent IntegriSense750 accurately predicts flap necrosis compared to Indocyanine green. *Head Neck*. 2022 Jan;44(1):134-142. doi: 10.1002/hed.26914. Epub 2021 Oct 25. PMID: 34697855; PMCID: PMC8688316.
263. Krishnan G, van den Berg NS, Nishio N, Kapoor S, Pei J, Freeman L, Lee YJ, van Keulen S, Fakurnejad S, Condon J, Back F, Martin B, **Rosenthal EL**. Fluorescent molecular imaging can improve intraoperative sentinel margin detection in oral squamous cell carcinoma. *J Nucl Med*. 2022 Jan 13;jnumed.121.262235. doi: 10.2967/jnumed.121.262235. Epub ahead of print. PMID: 35027369.
264. Zhou Q, van den Berg NS, Kang W, Pei J, Nishio N, van Keulen S, Engelen MA, Lee YJ, Hom M, Vega Leonel JCM, Hart Z, Vogel H, Cayrol R, Martin BA, Roesner M, Shields G, Lui N, Hayden Gephart M, Raymundo RC, Yi G, Granucci M, Grant GA, Li G, **Rosenthal EL**. Factors for differential outcome across cancers in clinical molecular-targeted fluorescence imaging. *J Nucl Med*. 2022 Mar 24;jnumed.121.263674. doi: 10.2967/jnumed.121.263674. Epub ahead of print. PMID: 35332092.
265. Stevens MN, Hosokawa E, Hereford A, West M, Fleming R, Sharif K, Sinard R, Rohde SL, Mannion K, Langerman A, Netterville J, **Rosenthal EL**, Topf MC. The Impact of Nasogastric Feeding Tube on Physiologic Swallow in Head and Neck Cancer Patients: A Multidisciplinary Clinical Trial. *Int J Radiat Oncol Biol Phys*. 2022 Apr 1, Volume 112, Issue 5, Page e63. doi: 10.1016/j.ijrobp.2021.12.144. No PMID.
266. Krishnan G, Cousins A, Pham N, Milanova V, Nelson M, Krishnan S, Shetty A, van den Berg N, **Rosenthal E**, Krishnan S, Wormald PJ, Foreman A, Thierry B. Preclinical evaluation of a

**Publications and Presentations: Articles in refereed journals (con't)**

- mannose-labeled magnetic tracer for enhanced sentinel lymph node retention in the head and neck. *Nanomedicine*. 2022 Jun;42:102546. doi: 10.1016/j.nano.2022.102546. Epub 2022 Mar 10. PMID: 35278683.
267. Pal R, Hom ME, van den Berg NS, Lwin TM, Lee YJ, Prilutskiy A, Faquin W, Yang E, Saladi SV, Varvares MA, **Rosenthal EL**, Kumar ATN. First Clinical Results of Fluorescence Lifetime-enhanced Tumor Imaging Using Receptor-targeted Fluorescent Probes. *Clin Cancer Res*. 2022 Jun 1;28(11):2373-2384. doi: 10.1158/1078-0432.CCR-21-3429. PMID: 35302604; PMCID: PMC9167767.
268. Aryal M, Azadian MM, Hart AR, Macedo N, Zhou Q, **Rosenthal EL**, Airan RD. Noninvasive ultrasonic induction of cerebrospinal fluid flow enhances intrathecal drug delivery. *J Control Release*. 2022 Jul 15;349:434-442. doi: 10.1016/j.jconrel.2022.06.067. Epub ahead of print. PMID: 35798095.
269. Youn GM, Case AG, Jarin T, Li B, Swarup A, Naranjo A, Bou-Khalil C, Yao J, Zhou Q, Hom ME, **Rosenthal EL**, Wu AY. The Use of Panitumumab-IRDye800CW in a Novel Murine Model for Conjunctival Squamous Cell Carcinoma. *Transl Vis Sci Technol*. 2022 Jul 8;11(7):23. doi: 10.1167/tvst.11.7.23. PMID: 35895055.
270. Nishio N, Mitani S, Sakamoto K, Morimoto G, Yokoi S, Shigeyama M, Wada A, Mukoyama N, **Rosenthal EL**, Sone M. Validation of a surgical training model containing indocyanine green for near-infrared fluorescence imaging. *Laryngoscope Invest Otolaryngol*. 2022 Jul 8;7(4):1011-1017. doi: 10.1002/lio2.858. PMID: 36000046; PMCID: PMC9392384.
271. Henderson ER, Werth P, Xu X, Jarvis LA, Paulsen KD, Hoopes PJ, **Rosenthal EL**, Pogue BW, Samkoe KS. Epidermal growth factor-targeted fluorescence is unaffected by standard neoadjuvant therapies in human sarcomas. *Proc SPIE Int Soc Opt Eng*. 2022 Jan-Feb;119430:119430B. doi: 10.1117/12.2610226. Epub 2022 Mar 4. PMID: 36052271; PMCID: PMC9430829.
272. Lu G, Baertsch MA, Hickey JW, Goltsev Y, Rech AJ, Mani L, Forgó E, Kong C, Jiang S, Nolan GP, **Rosenthal EL**. A real-time GPU-accelerated parallelized image processor for large-scale multiplexed fluorescence microscopy data. *Front Immunol*. 2022 Sep 23;13:981825. doi: 10.3389/fimmu.2022.981825. PMID: 36211386; PMCID: PMC9539451.
273. Martin E, Hom M, Mani L, **Rosenthal EL**. Current and Future Applications of Fluorescence-Guided Surgery in Head and Neck Cancer. *Surg Oncol Clin N Am*. 2022 Oct;31(4):695-706. doi: 10.1016/j.soc.2022.07.001. Epub 2022 Sep 27. PMID: 36243502.
274. Lee YJ, van den Berg NS, Duan H, Azevedo EC, Ferri V, Hom M, Raymundo RC, Valencia A, Castillo J, Shen B, Zhou Q, Freeman L, Koran ME, Kaplan MJ, Colevas AD, Baik FM, Chin FT, Martin BA, Jagaru A, **Rosenthal EL**. 89Zr-panitumumab Combined With 18F-FDG PET Improves Detection and Staging of Head and Neck Squamous Cell Carcinoma. *Clin Cancer Res*. 2022 Oct 14;28(20):4425-4434. doi: 10.1158/1078-0432.CCR-22-0094. PMID: 35929985.
275. Goodyer WR, Beyersdorf BM, Duan L, van den Berg NS, Mantri S, Galdos FX, Puluca N, Buikema JW, Lee S, Salmi D, Robinson ER, Rogalla S, Cogan DP, Khosla C, **Rosenthal EL**, Wu SM. In vivo visualization and molecular targeting of the cardiac conduction system. *J Clin Invest*. 2022 Oct 17;132(20):e156955. doi: 10.1172/JCI156955. PMID: 35951416; PMCID: PMC9566899.
276. Krishnan G, Cousins A, Pham N, Milanova V, Nelson M, Krishnan S, van den Berg NS, Shetty A, **Rosenthal EL**, Wormald PJ, Thierry B, Foreman A, Krishnan S. Preclinical feasibility



**Publications and Presentations: Articles in refereed journals (con't)**

- of robot-assisted sentinel lymph node biopsy using multi-modality magnetic and fluorescence guidance in the head and neck. *Head Neck*. 2022 Dec;44(12):2696-2707. doi: 10.1002/hed.27177. Epub 2022 Sep 8. PMID: 36082404.
277. Sharif KF, Lewis JS Jr, Ely KA, Mehrad M, Pruthi S, Nettekville JL, Rohde SL, Langerman A, Mannion K, Sinard RJ, **Rosenthal EL**, Topf MC. The computer-aided design margin: Ex vivo 3D specimen mapping to improve communication between surgeons and pathologists. *Head Neck*. 2023 Jan;45(1):22-31. doi: 10.1002/hed.27201. Epub 2022 Sep 26. PMID: 36156327.
278. Brandwein-Weber M, Urken ML, Topf MC, Lewis JS Jr, Kang SY, Curry JM, Chai R, Khan M, Modica I, Chung D, **Rosenthal EL**. Radical shift in the communication paradigm in head and neck frozen section analysis: Intraoperative three-dimensional specimen scanning. *Head Neck*. 2023 Jan;45(1):7-9. doi: 10.1002/hed.27247. Epub 2022 Nov 15. PMID: 36377564.
279. Van Keulen S, Hom M, White H, **Rosenthal EL**, Baik FM. The Evolution of Fluorescence-Guided Surgery. *Mol Imaging Biol*. 2023 Feb;25(1):36-45. doi: 10.1007/s11307-022-01772-8. Epub 2022 Sep 19. PMID: 36123445; PMCID: PMC9971137.
280. Henderson ER, Hebert KA, Werth PM, Streeter SS, **Rosenthal EL**, Paulsen KD, Pogue BW, Samkoe KS. Fluorescence guidance improves the accuracy of radiological imaging-guided surgical navigation. *J Surg Oncol*. 2023 Mar;127(3):490-500. doi: 10.1002/jso.27128. Epub 2022 Oct 26. PMID: 36285723.
281. Bou-Samra P, Muhammad N, Chang A, Karsalia R, Azari F, Kennedy G, Stummer W, Tanyi J, Martin L, Vahrmeijer A, Smith B, **Rosenthal E**, Wagner P, Rice D, Lee A, Abdelhafeez A, Malek MM, Kohanbash G, Barry Edwards W, Henderson E, Skjøth-Rasmussen J, Orosco R, Gibbs S, Farnam RW, Shankar L, Sumer B, Kumar ATN, Marcu L, Li L, Greuv V, Delikatny EJ, Lee JYK, Singhal S. Intraoperative molecular imaging: 3rd biennial clinical trials update. *J Biomed Opt*. 2023 May;28(5):050901. doi: 10.1117/1.JBO.28.5.050901. Epub 2023 May 13. PMID: 37193364; PMCID: PMC10182831.
282. Beute JE, Greenberg LA, Wein LE, Kapustin DA, Fan J, Dowling EM, Samankan S, Matloob A, Xing M, Modica I, Chung D, Carroll W, **Rosenthal EL**, Khan MN, Chai RL, Brandwein-Weber MS, Urken ML. WPOI-5: Accurately Identified at Intraoperative Consultation and Predictive of Occult Cervical Metastases. *Head Neck Pathol*. 2023 Jun;17(2):479-486. doi: 10.1007/s12105-023-01533-1. Epub 2023 Feb 28. PMID: 36849672; PMCID: PMC10293149.
283. Hicks MD, Ovatt AK, Morrison DR, Fleming JC, Jeyarajan H, Greene B, Sorace AG, Patel J, Kasten BB, Hartman YE, **Rosenthal EL**, Warram JM, Thomas CM. Determination of Flap Survival Isolated From Wound Bed Vasculature Using a Murine Axial Flap Model. *Ear Nose Throat J*. 2023 Jun 26:1455613231183392. doi: 10.1177/01455613231183392. Epub ahead of print. PMID: 37365848.
284. Gao G, Miyasato D, Barner LA, Serafin R, Bishop KW, Xie W, Glaser AK, **Rosenthal EL**, True LD, Liu JTC. Comprehensive Surface Histology of Fresh Resection Margins With Rapid Open-Top Light-Sheet (OTLS) Microscopy. *IEEE Trans Biomed Eng*. 2023 Jul;70(7):2160-2171. doi: 10.1109/TBME.2023.3237267. Epub 2023 Jun 19. PMID: 37021859; PMCID: PMC10324671.
285. Natarajan A, Khan S, Liang X, Nguyen H, Das N, Anders D, Malik N, Oderinde OM, Chin FT, **Rosenthal E**, Pratz G. Preclinical Evaluation of 89Zr-Panitumumab for Biology-Guided Radiation Therapy. *Int J Radiat Oncol Biol Phys*. 2023 Jul 15;116(4):927-934. doi: 10.1016/j.ijrobp.2023.01.007. Epub 2023 Jan 18. PMID: 36669541.



**Publications and Presentations: Articles in refereed journals (con't)**

286. Marumo T, Maduka CV, Ural E, Apu EH, Chung SJ, van den Berg NS, Zhou Q, Martin BA, **Rosenthal EL**, Shibahara T, Contag CH. Flavinated SDHA Underlies the Change in Intrinsic Optical Properties of Oral Cancers. *bioRxiv* [Preprint]. 2023 Jul 31:2023.07.30.551184. doi: 10.1101/2023.07.30.551184. PMID: 37577521; PMCID: PMC10418065.
287. Crawford KL, Lee YJ, Hom M, **Rosenthal EL**, Orosco RK, Nguyen QT. Identification of Degenerated Murine Facial Nerves With Fluorescence Labeling After Transection Injury. *Otolaryngol Head Neck Surg*. 2023 Aug;169(2):234-242. doi: 10.1002/ohn.262. Epub 2023 Feb 9. PMID: 36758958.
288. Prasad K, Miller A, Sharif K, Colazo JM, Ye W, Necker F, Baik F, Lewis JS Jr, **Rosenthal E**, Wu JY, Topf MC. Augmented-Reality Surgery to Guide Head and Neck Cancer Re-resection: A Feasibility and Accuracy Study. *Ann Surg Oncol*. 2023 Aug;30(8):4994-5000. doi: 10.1245/s10434-023-13532-1. Epub 2023 May 3. PMID: 37133570.
289. Prasad K, Lewis JS, Wu JY, **Rosenthal E**, Topf MC. ASO Author Reflections: Augmented Reality in Head and Neck Oncology. *Ann Surg Oncol*. 2023 Aug;30(8):5001-5002. doi: 10.1245/s10434-023-13582-5. Epub 2023 May 5. PMID: 37147515.
290. Prasad K, Miller A, Sharif K, Colazo JM, Ye W, Necker F, Baik F, Lewis JS Jr, **Rosenthal E**, Wu JY, Topf MC. ASO Visual Abstract: Augmented Reality Surgery to Guide Head and Neck Cancer Re-resection: A Feasibility and Accuracy Study. *Ann Surg Oncol*. 2023 Aug;30(8):5003-5004. doi: 10.1245/s10434-023-13614-0. PMID: 37210454.
291. de Wit JG, Vonk J, Voskuil FJ, de Visscher SAHJ, Schepman KP, Hooghiemstra WTR, Linssen MD, Elias SG, Halmos GB, Plaat BEC, Doff JJ, **Rosenthal EL**, Robinson D, van der Vegt B, Nagengast WB, van Dam GM, Witjes MJH. EGFR-targeted fluorescence molecular imaging for intraoperative margin assessment in oral cancer patients: a phase II trial. *Nat Commun*. 2023 Aug 16;14(1):4952. doi: 10.1038/s41467-023-40324-8. PMID: 37587149.
292. Marumo T, Maduka CV, Ural E, Apu EH, Chung SJ, Tanabe K, van den Berg NS, Zhou Q, Martin BA, Miura T, **Rosenthal EL**, Shibahara T, Contag CH. Flavinated SDHA underlies the change in intrinsic optical properties of oral cancers. *Commun Biol*. 2023 Nov 9;6(1):1134. doi: 10.1038/s42003-023-05510-w. PMID: 37945749; PMCID: PMC10636189.
293. Kondo T, Nishio N, Park JS, Mani LD, Naveed A, Tanaka H, Lewis JS Jr, **Rosenthal EL**, Hom ME. Identification of Optimal Tissue-Marking Dye Color for Pathological Evaluation in Fluorescence Imaging Using IRDye800CW. *Mol Imaging Biol*. 2023 Dec 6. doi: 10.1007/s11307-023-01882-x. Epub ahead of print. PMID: 38057647.
294. Bishay S, Robb WH, Schwartz TM, Smith DS, Lee LH, Lynn CJ, Clark TL, Jefferson AL, Warner JL, **Rosenthal EL**, Murphy BA, Hohman TJ, Koran MEI. Frontal and anterior temporal hypometabolism post chemoradiation in head and neck cancer: A real-world PET study. *J Neuroimaging*. 2023 Dec 26. doi: 10.1111/jon.13181. Epub ahead of print. PMID: 38148283.
295. Miller A, Prasad K, Sharif KF, Adams DJ, Garbow L, Roberts E, Lewis JS Jr, Ely KA, Mehrad M, Rohde SL, Langerman AJ, Mannion K, Sinard RJ, Nettekville JL, **Rosenthal EL**, Topf MC. Virtual 3D Specimen Mapping in Head & Neck Oncologic Surgery. *Laryngoscope*. 2024 Jan;134(1):191-197. doi: 10.1002/lary.30881. Epub 2023 Jul 19. PMID: 37466329; PMCID: PMC10796840.
296. Ye W, Guo KS, Gallant JN, Stevens MN, Weiss VL, Bendfeldt GA, O'Brien MT, **Rosenthal EL**, Nettekville JL, Mannion K, Langerman AJ, Sinard RJ, Topf MC, Rohde SL. Impact of comorbidities on immediate post-operative complications in oral cavity free flap patients. *Am*

**Publications and Presentations: Articles in refereed journals (con't)**

*J Otolaryngol.* 2024 Jan-Feb;45(1):104068. doi: 10.1016/j.amjoto.2023.104068. Epub 2023 Sep 29. PMID: 37832328.

297. Prasad K, Sharma R, Habib D, Sinard R, Mannion K, Rohde S, Langerman A, Netterville J, **Rosenthal E**, Lewis J, Topf MC. How Often is Cancer Present in Oral Cavity Re-resections After Initial Positive Margins? *Laryngoscope.* 2024 Feb;134(2):717-724. doi: 10.1002/lary.30959. Epub 2023 Aug 16. PMID: 37584332.

**Presentations: available on request**